JVC

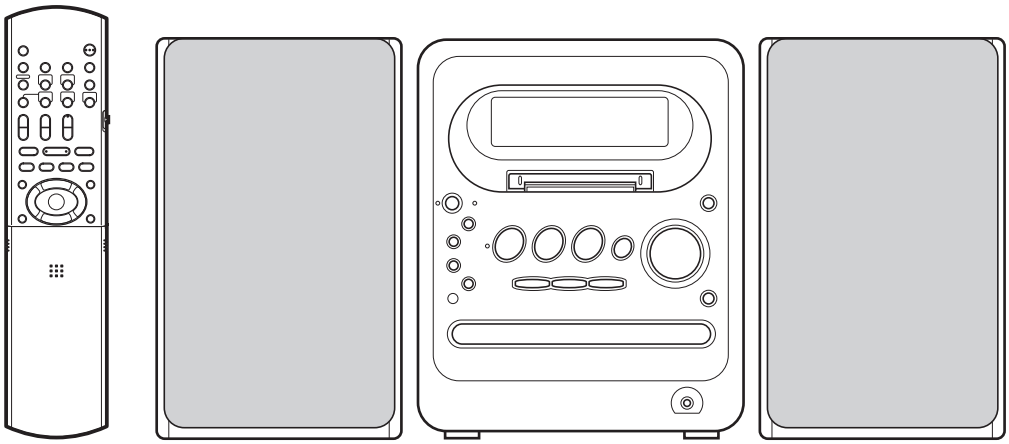
SERVICE MANUAL

MICRO COMPONENT MD SYSTEM

UX-QD70S,UX-QD70W

Area suffix

UB ---------- Hong Kong



(SP-UXK30S)
(SP-UXK30W)

(CA-UXQD70S)
(CA-UXQD70W)

(SP-UXK30S)
(SP-UXK30W)

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.MB496
2005/12

SPECIFICATION

MD/DVD receiver (CA-UXQD70S/CA-UXQD70W)

Amplifier	Output power		20 W × 2 (10% THD/4 Ω)
	Input terminals	Analog	AUX × 1 650 mV/47 kΩ: LEVEL1 260 mV/47 kΩ: LEVEL2
		Digital	Digital optical input × 1 -23 dBm to -15 dBm (Optical square terminal) (Compatible with frequency of 32 kHz, 44.1 kHz and 48 kHz)
	Output terminals	Analog	Speaker × 1, 20 W/4 Ω Impedance 4 Ω - 16 Ω Headphone (×1), 25 mW/32 Ω Impedance 16 Ω - 1 kΩ
		Digital	DVD/CD optical output × 1 -23 dBm to -15 dBm (Optical square terminal)
		Other	AV COMPU LINK × 2 (Ø 3.5)
Tuner	Frequency	FM	87.50 MHz - 108.00 MHz
		AM	531 kHz - 1 710 kHz (9 kHz spacing) 530 kHz - 1 710 kHz (10 kHz spacing)
DVD player	Playable discs		DVD VIDEO, DVD AUDIO, CD, VCD, SVCD, CD-R/CDRW(CD, VCD, SVCD, MP3/WMA/JPEG format), DVD-R(video format, MP3/WMA/JPEG format), DVD-RW(video format, DVD VR format, MP3/WMA/JPEG format)
MD recorder	Audio playing system		MiniDisc digital audio system
	Recording system		Magneto-optical overwrite system
	Reading system		Non-contact, semiconductor laser pickup
	Recording/Playback time (when using an 80-minute MD)	SP	80 minutes
		LP2	160 minutes
		LP4	320 minutes
	Sampling frequency		44.1 kHz
	Audio compression		ATRAC (Adaptive TRansform
	system		Acoustic Coding)/ATRAC3 (MDLP)
Cassette deck	Frequency response	Normal (type I)	60 Hz - 14 000 Hz
		Wow and flutter	0.15% (WRMS)
General	Power source		AC 220 V , 50 Hz
	Power consumption		55 W (at operation) 1.1 W (on standby)
	Dimensions		165 mm (W) × 200 mm (H) × 350 mm (D)
	Mass (approx.)		5.1 kg

Speaker (SP-UXK30S/SP-UXK30W)

System		3-way bass reflex type Magnetically shielded type
Speakers	Woofer	10 cm cone speaker × 1
	Midrange	4 cm cone speaker × 1
	Tweeter	1.5 cm dome speaker × 1
Power handling capacity		20 W
Impedance		4 Ω
Frequency range		56 Hz - 40 kHz
Sound pressure level		85 dB/W·m
Dimensions		135 mm (W) × 200.5 mm (H) × 213.5 mm (D)
Mass (approx.)		2.1 kg (1 unit)

Micro component MD system (UX-QD70S/UX-QD70W)

Dimensions	435 mm (W) × 200.5 mm (H) × 350 mm (D)
Mass (approx.)	9.3 kg

U.S. and foreign patents licensed from Dolby Laboratories.

Design and specification are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

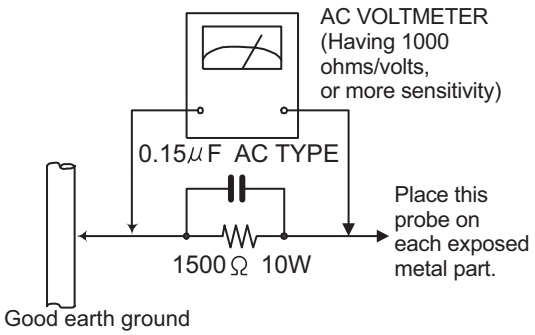
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Preventing static electricity

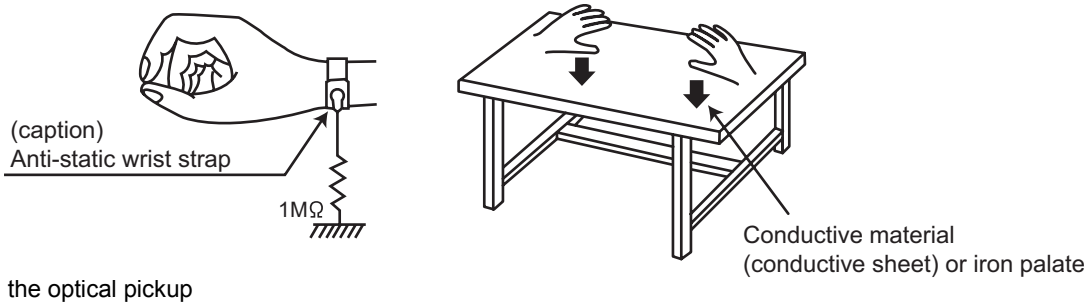
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition.
(Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

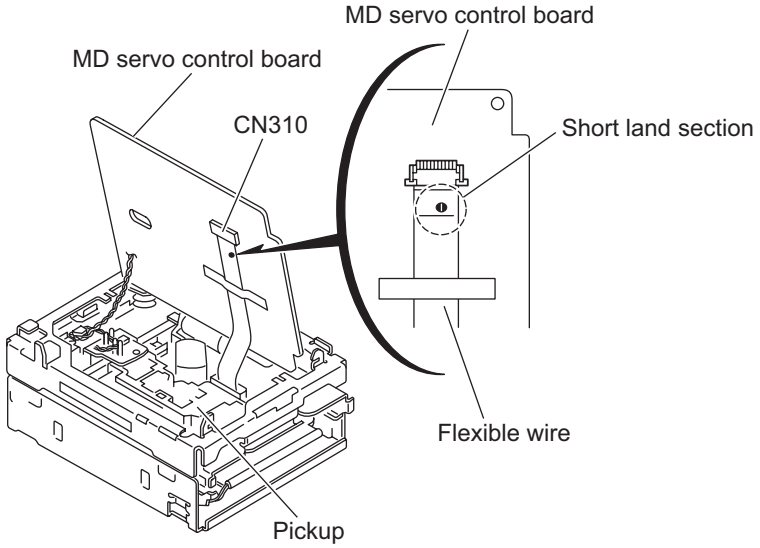
1.7 Attention when pickup unit is removed

1.7.1 Attention when MD pickup unit is removed

*Please refer to "DISASSEMBLY" in the text.

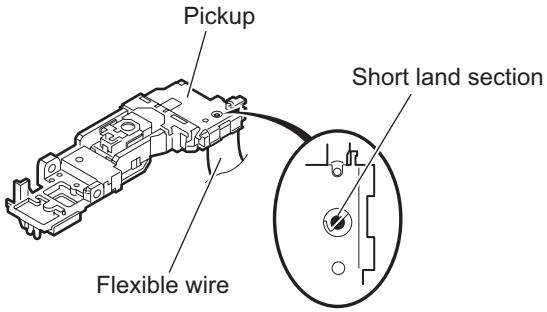
(1) Apply solder to short land section before the flexible wire is disconnected from the connector CN310 on the MD servo control board.
(If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)

(2) In the assembly, be sure to remove solder from the short land section after connecting the flexible wire.



(3) Apply solder to short land section before the flexible wire is disconnected from the connector on the pickup.
(If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)

(4) In the assembly, be sure to remove solder from the short land section after connecting the flexible wire.

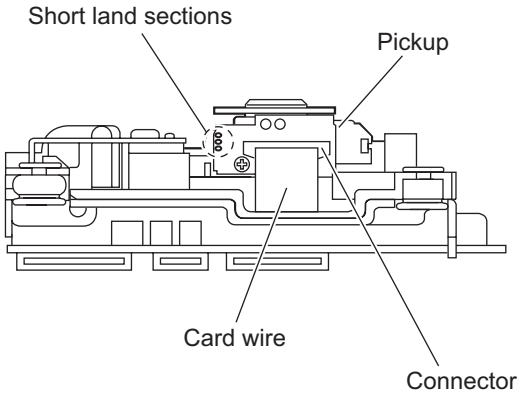


1.7.2 Attention when DVD pickup unit is removed

*Please refer to "DISASSEMBLY" in the text.

(1) Apply solder to short land sections before the card wire is disconnected from the connector on the pickup.
(If the card wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)

(2) In the assembly, be sure to remove solder from the short land sections after connecting the card wire.



1.8 Important for laser products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.
AVOID DIRECT EXPOSUREBTO BEAM.

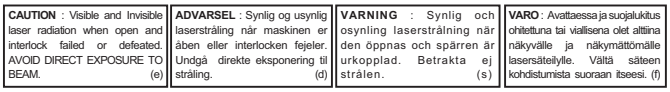
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

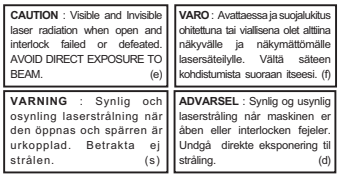
VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymätttömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL


CAUTION : Visible and Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejeler. Undgå direkte eksponering til stråling. (d)
VARNING : Synlig och osynling laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)
VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)


CAUTION : Visible and Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
VARNING : Synlig och osynling laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejeler. Undgå direkte eksponering til stråling. (d)

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body section

3.1.1 Removing the rear cover(B) (See Figs.1 and 2)

(1) From the back side of the main body, remove the twelve screws **A** attaching the rear cover(B). (See Fig.1.)
(2) From the bottom side of the main body, remove the three screws **B** attaching the rear cover(B). (See Fig.2.)
(3) Remove the rear cover(B) from the main body.

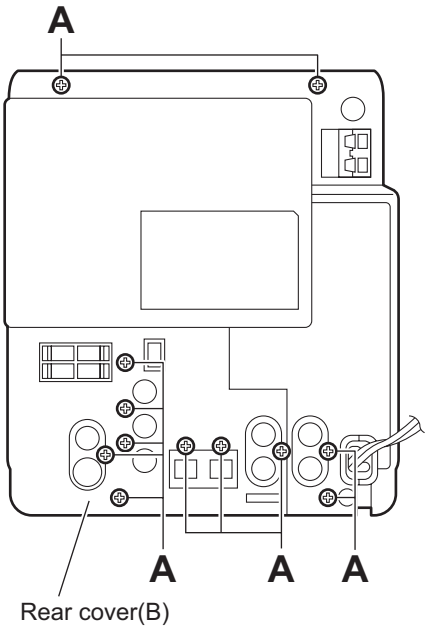


Fig.1

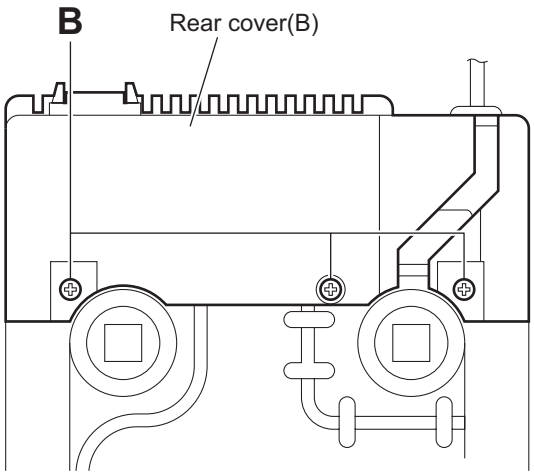


Fig.2

3.1.2 Removing the side panels (L)/(R) (See Fig.3)

- Remove the rear cover(B).
  (1) From the bottom side of the main body, remove the two screws **C** attaching the side panels (L)/(R).
  (2) Slide the side panels (L)/(R) in the direction of the arrow and remove the side panels (L)/(R).

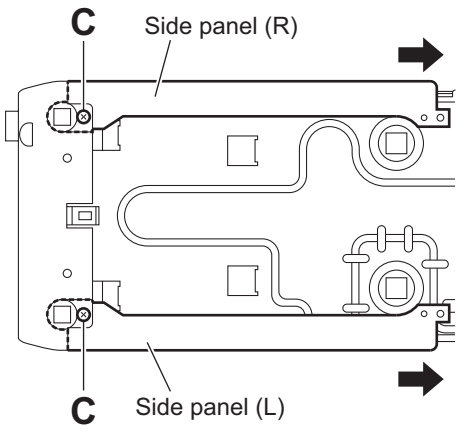


Fig.3

3.1.3 Removing the top cover assembly (See Figs.4 and 5)

- Remove the rear cover(B) and side panels(L)/(R).
  (1) From the left side of the main body, disconnect the card wires from the connectors (CN703, CN709) on the micon board. (See Fig.4.)
  (2) Remove the screw **D** attaching the top cover assembly. (See Fig.4.)
  (3) From the right side of the main body, disconnect the card wire from the connector CN105 on the main board. (See Fig.5.)
  (4) Disconnect the wire from the connector CN108 on the main board. (See Fig.5.)
  (5) From the both sides of the main body, remove the two screws **E** attaching the top cover assembly. (See Figs.4 and 5.)
  (6) Release the joints **a** and remove the top cover assembly. (See Figs.4 and 5.)

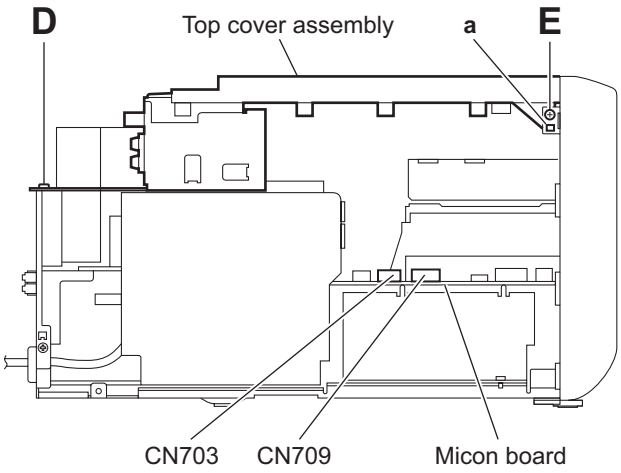


Fig.4

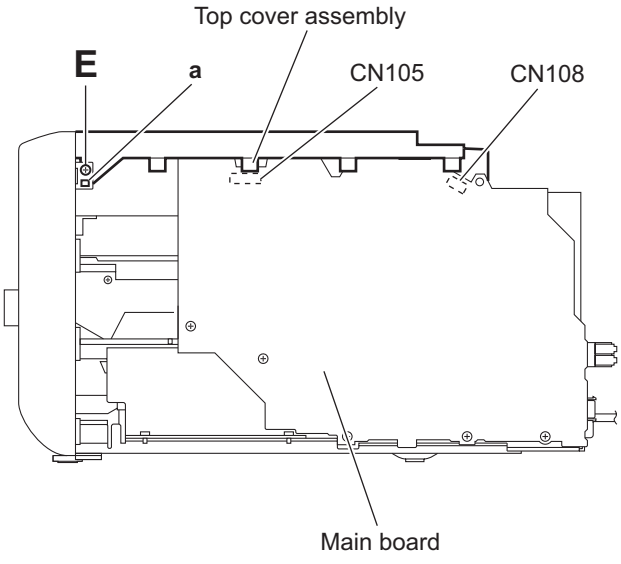


Fig.5

3.1.4 Removing the front panel assembly (See Figs.6 to 8)

- Remove the rear cover(B), side panels(L)/(R) and top cover assembly.
  (1) From the left side of the main body, disconnect the card wires from the connectors (CN702, CN710) on the micon board. (See Fig.6.)
  (2) From the both sides and bottom sides of the main body, release the joints **b** and joint **c**. (See Figs.6 to 8.)
  (3) Remove the front panel assembly in the direction of the arrow. (See Fig 8.)

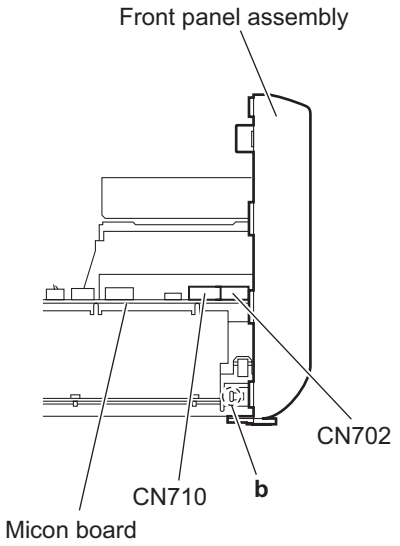


Fig.6

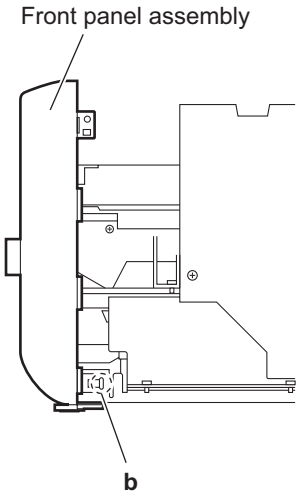


Fig.7

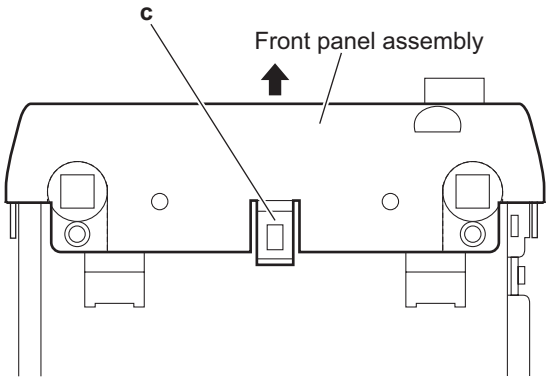


Fig.8

3.1.5 Removing the fan motor (See Figs.9 and 10)

- Remove the rear cover(B), side panels(L)/(R) and top cover assembly.
  (1) From the back side of the top cover assembly, remove the screw **F** attaching the fan motor. (See Fig.9.)
  (2) Take out the fan motor.

Reference:

When attaching the fan motor, pass the wire through the slot d. (See Fig.10.)

3.1.6 Removing the tuner and tuner bracket (See Figs.9 and 10)

- Remove the rear cover(B), side panels(L)/(R) and top cover assembly.
  (1) From the back side of the top cover assembly, remove the two screws **G** attaching the tuner bracket. (See Fig.9.)
  (2) From the inside of the top cover assembly, remove the screw **H** attaching the tuner bracket. (See Fig.10.)
  (3) Take out the tuner with the tuner bracket.

3.1.7 Removing the cassette mechanism assembly (See Fig.10)

- Remove the rear cover(B), side panels(L)/(R) and top cover assembly.
  (1) From the inside of the top cover assembly, remove the four screws **J** attaching the cassette mechanism assembly.
  (2) Remove the cassette mechanism assembly.

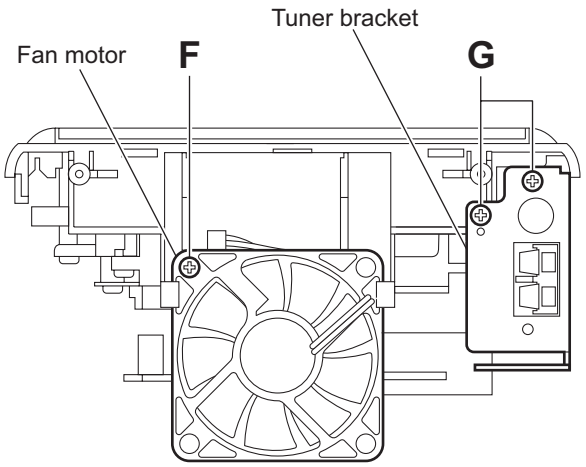


Fig.9

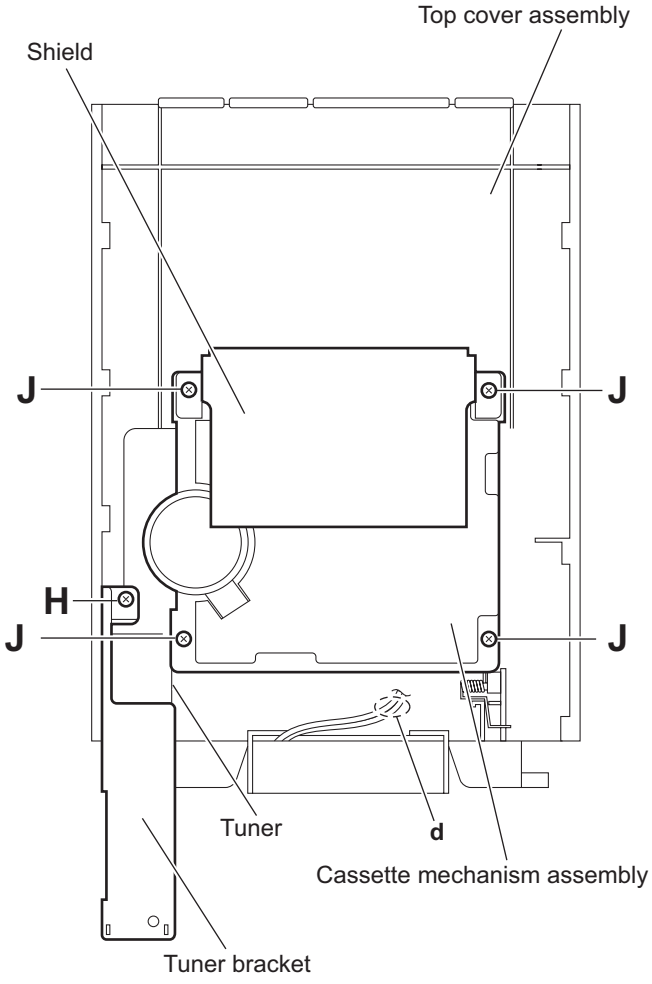


Fig.10

3.1.8 Removing the heat sink(B) (See Fig.11)

- Remove the rear cover(B), side panels(L)/(R) and top cover assembly.
  (1) From the back side of the main body, remove the three screws **K** and two screws **M** attaching the heat sink(B).
  (2) Remove the heat sink(B) from the main body.

3.1.9 Removing the heat sink bracket (See Figs.11 and 12)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly and heat sink(B).
  (1) From the back side of the main body, remove the two screws **N** attaching the heat sink bracket. (See Fig.11.)
  (2) From the top side of main body, remove the screw **P** attaching the heat sink bracket to the regulator board.(See Fig.12)
  (3) Take out the heat sink(B) from the main body.

3.1.10 Removing the main board (See Figs.12 and 13)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly and heat sink(B).
  (1) From the forward side of the main board, disconnect the card wire from the connector CN107. (See Fig.12.)
  (2) From the right side of the main body, remove the four screws **Q** attaching the main board. (See Fig.13.)
  (3) Disconnect the connectors (CN101 to CN103, CN106 and CN110) on the main board toward this side. (See Fig.13.)
  (4) From the forward side of the main board, disconnect the wires from the connectors (CN109 and CN111). (See Fig.13.)

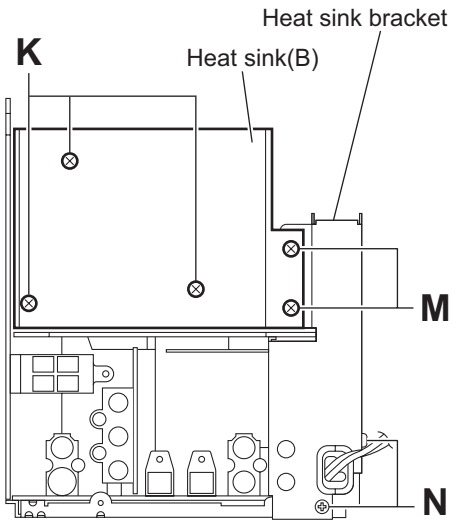


Fig.11

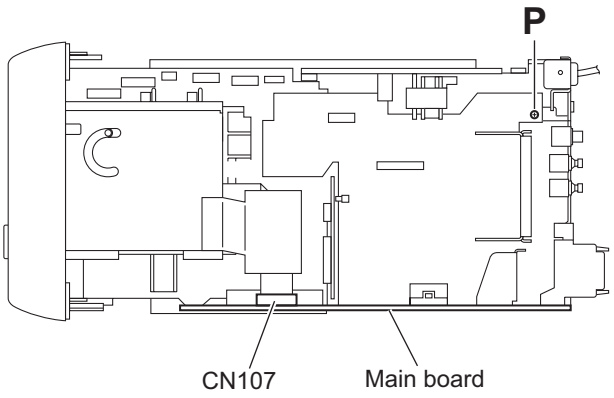


Fig.12

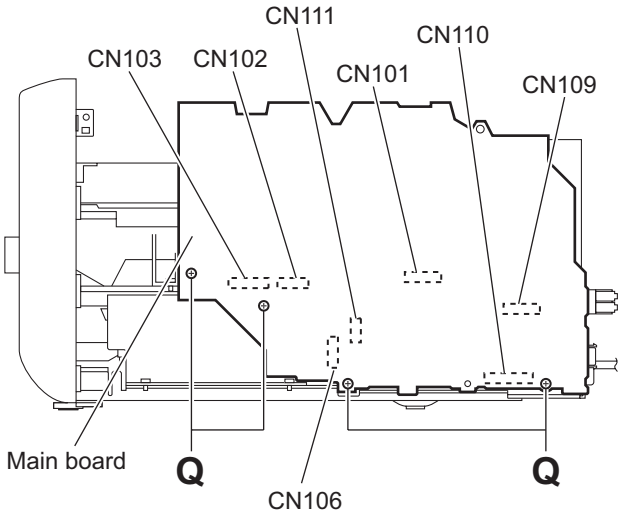


Fig.13

3.1.11 Removing the regulator board (See Fig.14)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B) and main board.
  (1) From the top side of the main body, disconnect the wire from the connector CN902 on the trans board.
  (2) Disconnect the wire from the connector CN807 on the joint board.
  (3) Remove the two screws **R** attaching the regulator board.
  (4) Take out the regulator board from the main body.

Reference:

After reassembling, bundle the wire with the new tie band as before.

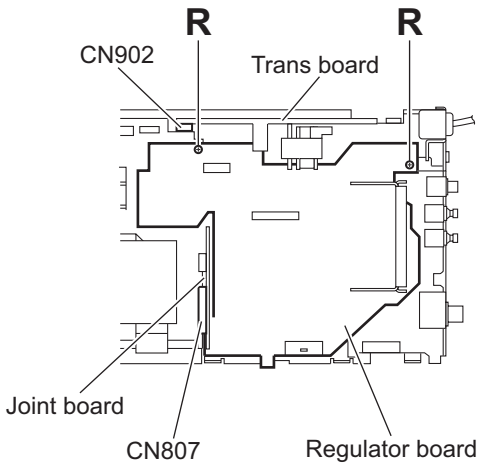


Fig.14

3.1.12 Removing the trans board (See Fig.15)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B), main board and regulator board.
  (1) Disconnect the wire from the connector CN903 on the trans board.
  (2) Disconnect the power cord from the connector CN901 on the trans board.
  (3) Remove the three screws **S** attaching the power transformer and take out the trans board from the main body.

Reference:

After reassembling, bundle the wire with the new tie band as before.

3.1.13 Removing the jack board and video board (See Fig.15)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B), main board and regulator board.
  (1) Remove the screw **T** attaching the jack board and take out the jack board with the video board.

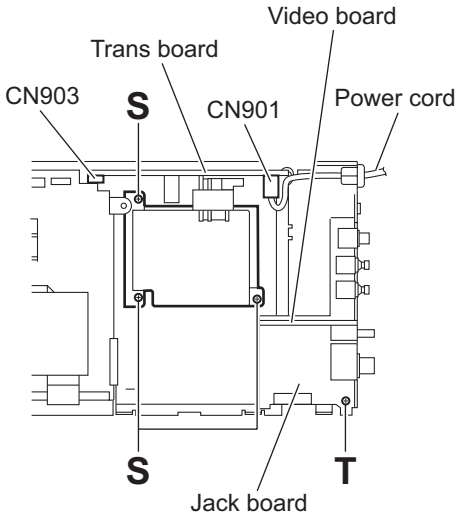


Fig.15

3.1.14 Removing the power transformer
(See Fig.16)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B), main board, regulator board and trans board.
  (1) From the reverse side of the trans board, remove the solders from the sections e on the trans board.
  (2) Remove the power transformer from the trans board.

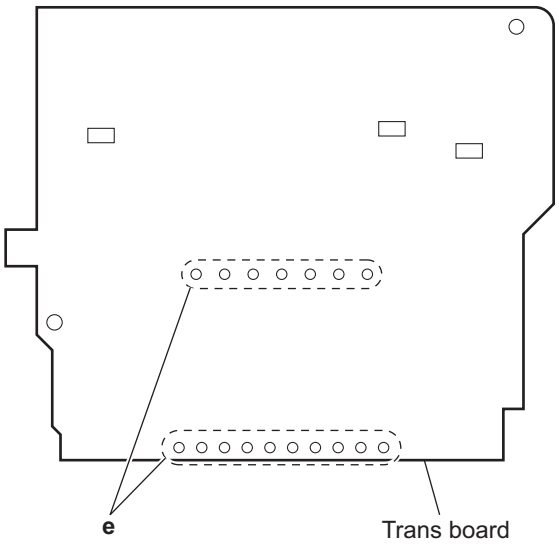


Fig.16

3.1.15 Removing the joint board
(See Fig.17)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B), main board, regulator board and trans board.
  (1) From the back side of the main body, remove the two screws **U** attaching the joint board.
  (2) Remove the connector CN805 on the joint board from the micon board toward this side.
  (3) From the forward side of the joint board, disconnect the card wires from the connectors (CN801 to CN804) on the joint board.
  (4) Take out the joint board from the main body.

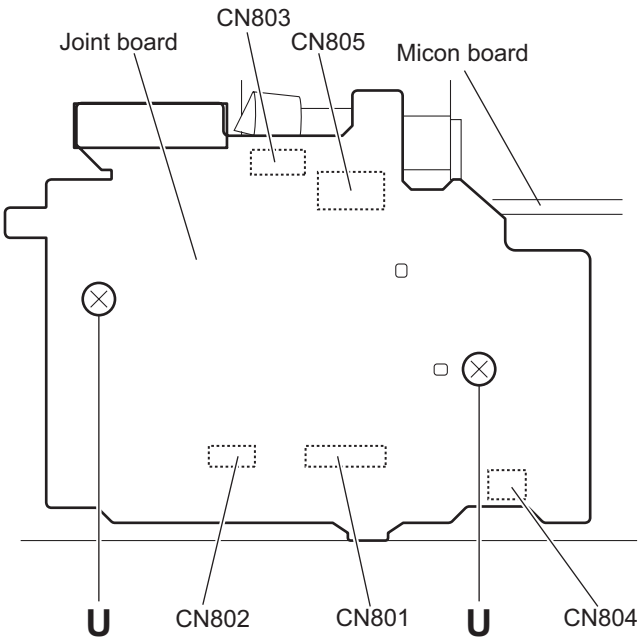


Fig.17

3.1.16 Removing the MD mechanism assembly (See Figs.18 to 20)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, front panel assembly, heat sink(B) and main board.
  (1) From the both side of the main body, remove the four screws **V** attaching the MD mechanism assembly. (See Figs.18 and 19.)
  (2) From the top of the main body, disconnect the card wire from the connector CN803 on the joint board. (See Fig.20)
  (3) Take out the MD mechanism assembly from the main body.

3.1.17 Removing the MD holder (See Fig 20)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, front panel assembly, heat sink(B), main board and MD mechanism assembly.
  (1) From the top side of the main body, remove the shield(MD).
  (2) Remove the two screws **W** and screw **X** attaching the MD holder to the micon board.
  (3) Take out the MD holder from main body.

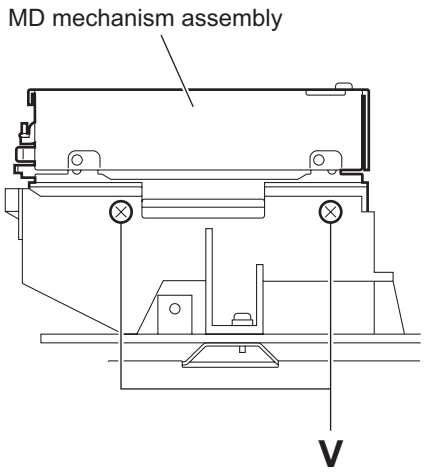


Fig.18

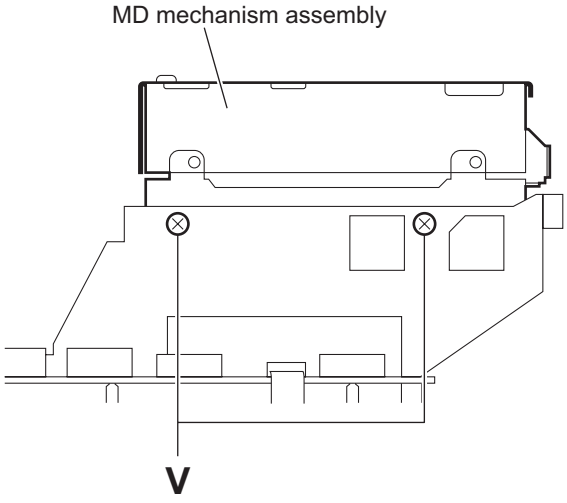


Fig.19

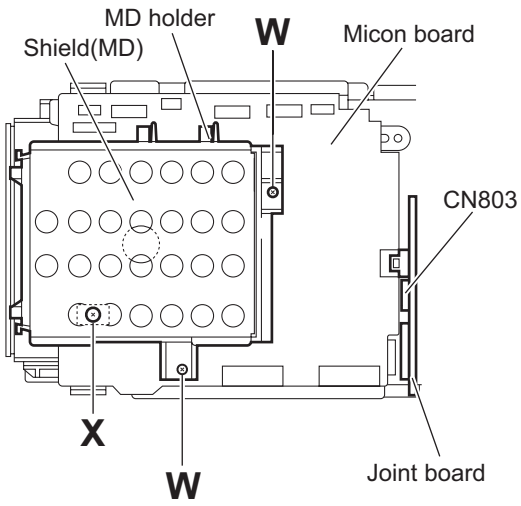


Fig.20

3.1.18 Removing the micon board
(See Fig.21)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, front panel assembly, heat sink(B), main board, MD mechanism assembly, MD holder and regulator board.
  (1) Disconnect the wire from the connector CN903 on the trans board. (See Fig.21.)
  (2) Disconnect the card wires from the connectors (CN705 and CN711) on the micon board. (See Fig.21.)
  (3) Disconnect the micon board from the connector CN805 on the joint board. (See Fig.21.)
  (4) Take out the micon board from the main body.

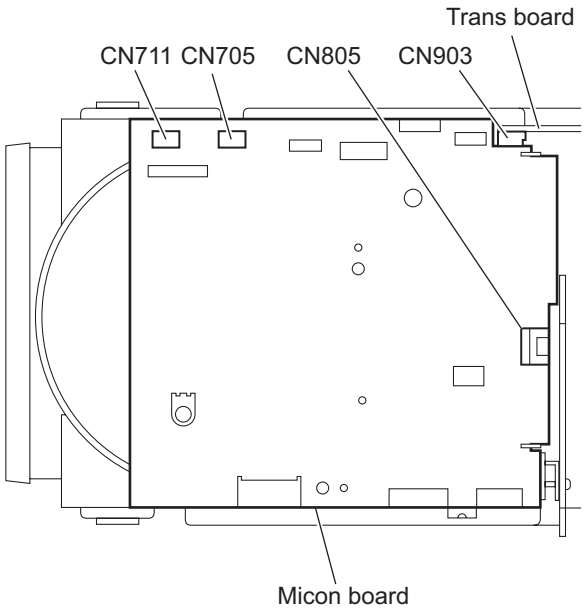


Fig.21

3.1.19 Removing the CD mechanism bracket
(See Fig.22)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B), heat sink bracket, main board, regulator board, trans board and joint board.
  (1) From the top side of the main body, disconnect the wires from the connectors (CN705 and CN711) on the micon board.
  (2) Remove the four screws **Y** attaching the CD mechanism bracket.
  (3) Take out the CD mechanism bracket from the main body.

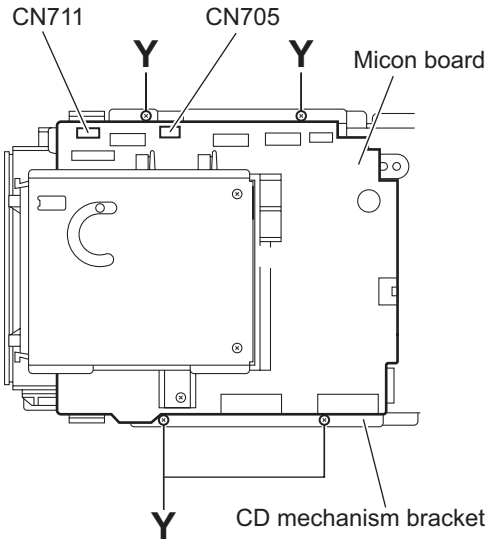


Fig.22

3.1.20 Removing the DVD mechanism assembly (See Fig.23)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B), main board, regulator board, trans board, CD mechanism bracket and joint board.
  (1) From the top side of the main body, remove the screw **Z** attaching the DVD mechanism assembly.
  (2) Take out the DVD mechanism assembly from the main body.

Note:

When removing the DVD mechanism assembly, be careful not to damage the lower board and parts.

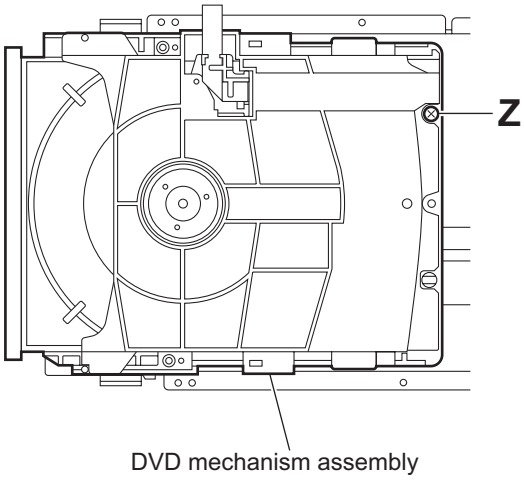


Fig.23

3.1.21 Removing the LCD board (See Fig.24)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly and front panel assembly.
  (1) From the inside of the front panel assembly, remove the three screws **AA** attaching the LCD board.
  (2) Take out the LCD board from the front panel assembly.

Note:

When attaching the LCD board, be careful not to damage the LCD panel.

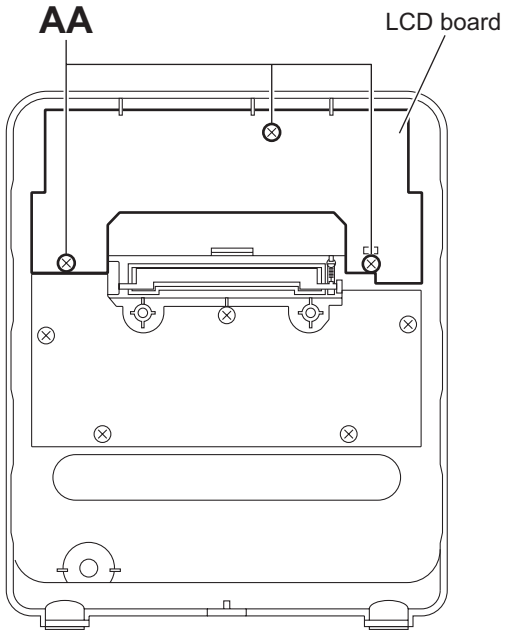


Fig.24

3.1.22 Removing the key board
(See Fig.25)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly and front panel assembly.
  (1) From the inside of the front panel assembly, remove the five screws **AB** attaching the key board.
  (2) Take out the key board from the front panel assembly.

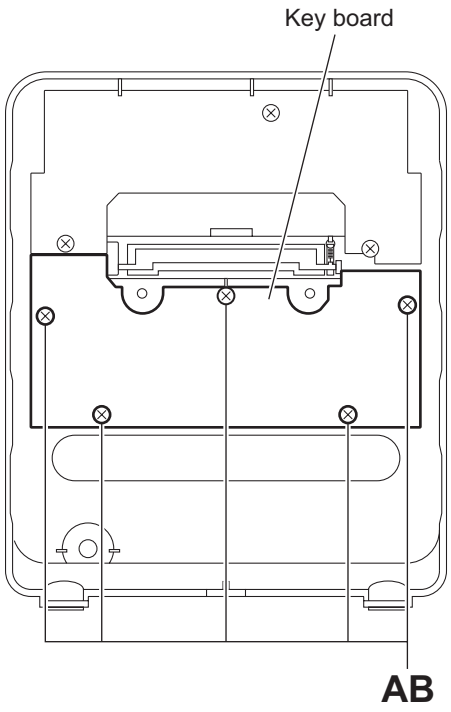


Fig.25

3.1.23 Removing the headphone board
(See Fig.26)

- Remove the rear cover(B), side panels(L)/(R), top cover assembly, heat sink(B), main board, regulator board, trans board, joint board, CD mechanism bracket and DVD mechanism assembly.
  (1) From the top side of the main body, remove the screw **AC** attaching the headphone board.
  (2) Take out the headphone board from the main body.

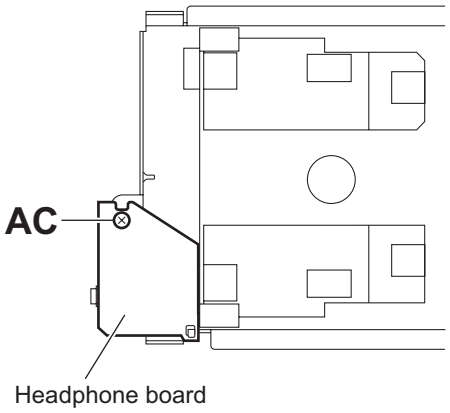


Fig.26

3.2 DVD mechanism assembly

- Remove the DVD mechanism assembly from main body. (Refer the Disassembly method)

3.2.1 Removing the DVD cover (See fig.1 and 2)

(1) Remove the two screws **A** attaching the DVD cover from top side of DVD mechanism assembly. (See fig.1)
(2) Remove the card wire from the connector CN4 on the LED assembly. (See fig.1)
(3) Remove the DVD cover.

Caution:

The spring which presses down a card wire is attached to the DVD cover. Please do not let me lose a spring.

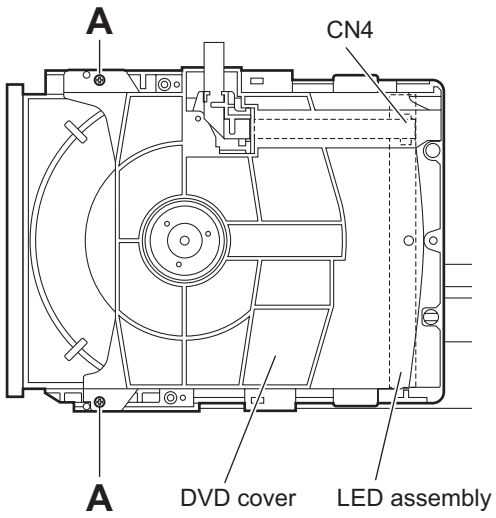


Fig.1

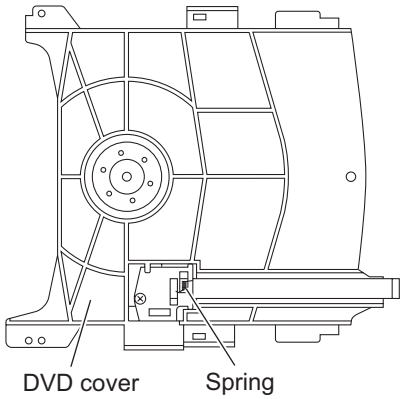


Fig.2

3.2.2 Removing the tray assembly (See fig.3 and 4)

- Remove the DVD cover.
  (1) From the right-hand side of a DVD mechanism assembly, a slide cam is pushed and a tray assembly is pulled out in the direction of an arrow. (See fig.3)
  (2) Remove the two screws **B** attaching the tray assembly form the upper surface of a DVD mechanism assembly. (See fig.4)
  (3) Bushing of a tray assembly is removed from the projection part **a** of a DVD mechanism, and a tray assembly is removed. (See fig.4)

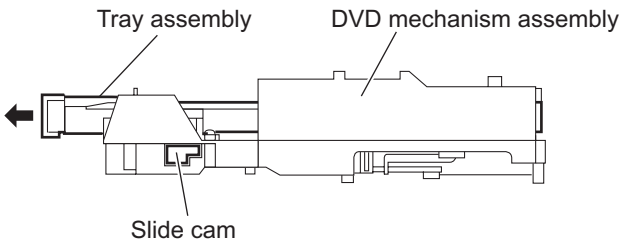


Fig.3

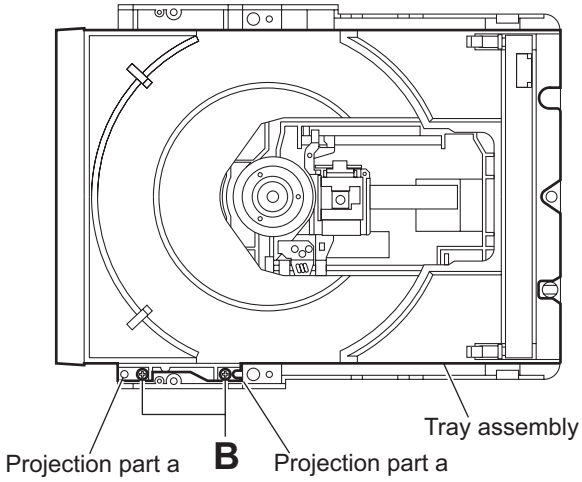


Fig.4

3.2.3 Removing the LED assembly (See fig. 5)

- Remove the DVD cover and tray assembly.
  (1) From the upper surface of a tray assembly, the double-sided tape which has attached the LED assembly is removed, and a LED board is removed.

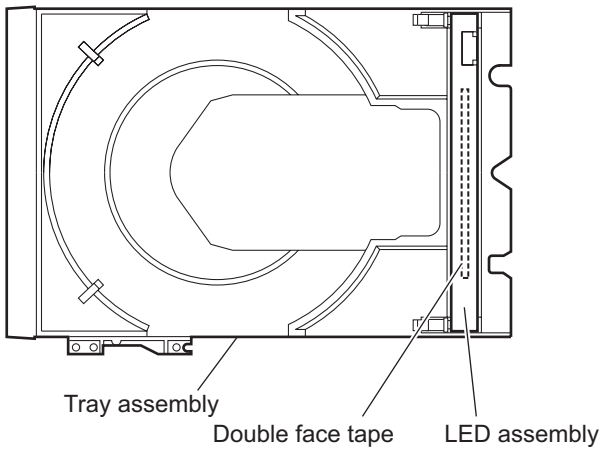


Fig.5

3.2.4 Removing the traverse mechanism assembly (See fig.6)

- Remove the DVD cover.
  (1) Remove the four screws **C** attaching the traverse mechanism assembly form bottom surface of the DVD mechanism.
  (2) Remove the traverse mechanism and DVD servo board together.

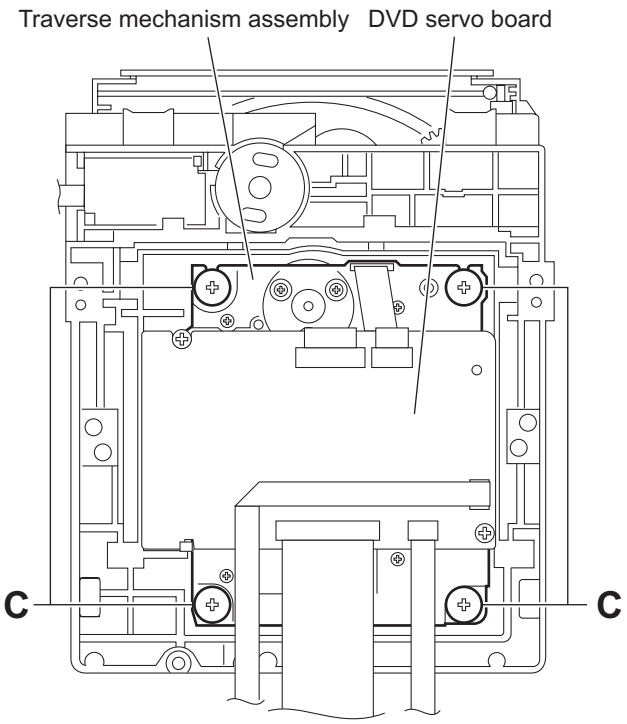


Fig.6

3.2.5 Removing the DVD servo board (See fig.7 and 8)

- Remove the DVD cover and traverse mechanism.

(1) The short land section **b** of a pickup is soldered. (See fig.7)

Caution:

- Please solder to the short land section **b** of a pickup before removing a card wire from the connector CN101 of a DVD servo board.
  If a card wire is removed without soldering, a pickup may be destroyed by static electricity. (See fig.7 and 8)
- At the time of DVD servo board attachment, please remove the solder of the short land section **b** of a pickup after attaching a card wire in a connector CN101. (See fig.7 and 8)

(2) The lock of connector CN101 of a DVD servo board is removed in the direction of an arrow, and a card wire is removed. (See fig.8)

(3) Remove the two screws **D** attaching the DVD servo board from bottom surface of traverse mechanism assembly. (See fig.8)

(4) Remove the card wire from connector CN201 of DVD servo board. (See fig.8)

(5) A DVD servo board is raised from the connection part **c**, and it removes in the direction of an arrow from hook d. (See fig.8)

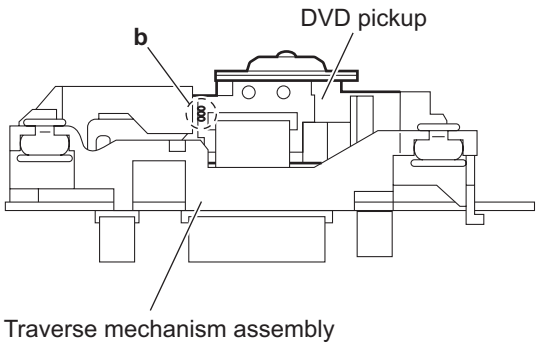


Fig.7

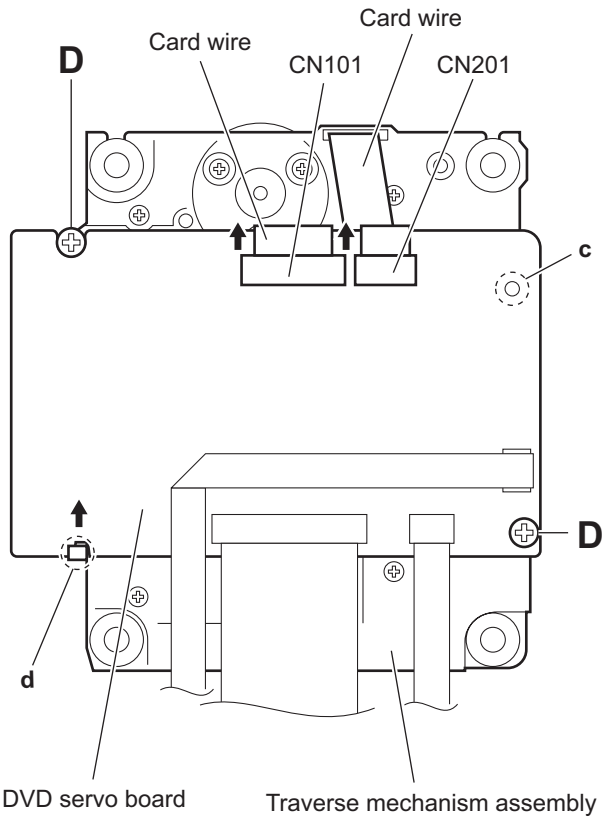


Fig.8

3.2.6 Removing the pickup (See fig.7 to 11)

- Remove the DVD cover and traverse mechanism assembly.

(1) The short land section **b** of a pickup is soldered. (See fig.7)

Caution:

- Please solder to the short land section **b** of a pickup before removing a card wire from the connector of pickup.
  If a card wire is removed without soldering, a pickup may be destroyed by static electricity. (See fig.7 and 9)
- At the time of pickup attachment, please remove the solder of the short land section **b** of a pickup. (See fig.7 and 9)

(2) Remove the card wire from connector of pickup. (See fig.9)

(3) From the upper surface of traverse mechanism, remove the one screw **E** attaching the feed bracket from part **e**. (See fig.9)

(4) A trust spring is removed from hook **f** and a trust spring is removed in the direction of an arrow. (See fig.9)

(5) From the **g** section of a traverse mechanism assembly, the guide shaft of a DVD pickup is moved in the direction of an arrow, and it removes from the **h** section. (See fig.10)

(6) From the **j** section of a traverse mechanism assembly, a pickup is removed and a pickup is removed together with a shaft. (See fig.10)

(7) Remove the tow screws **F** attaching the lock arm and lock arm spring. (See fig.10)

(8) Remove the shaft from pickup. (See fig.11)

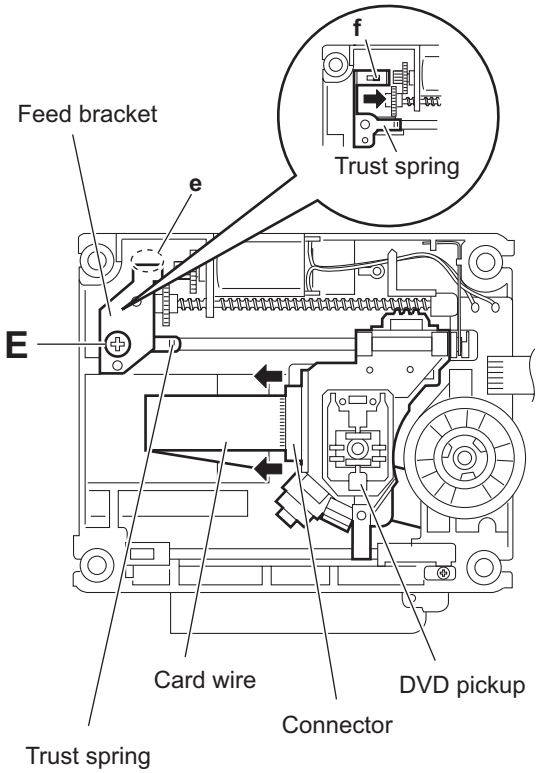


Fig.9

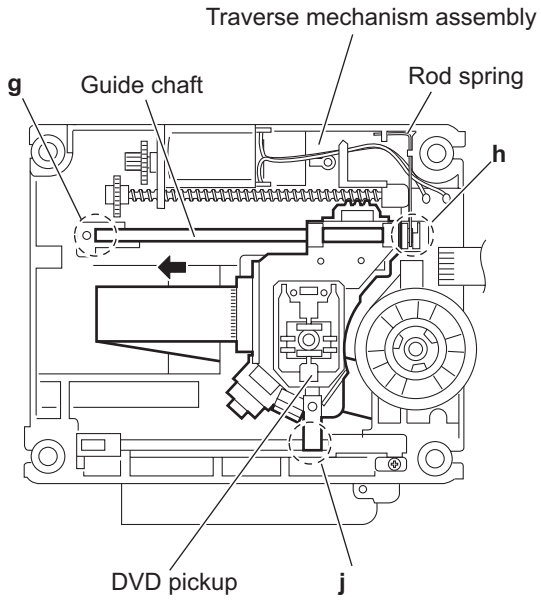


Fig.10

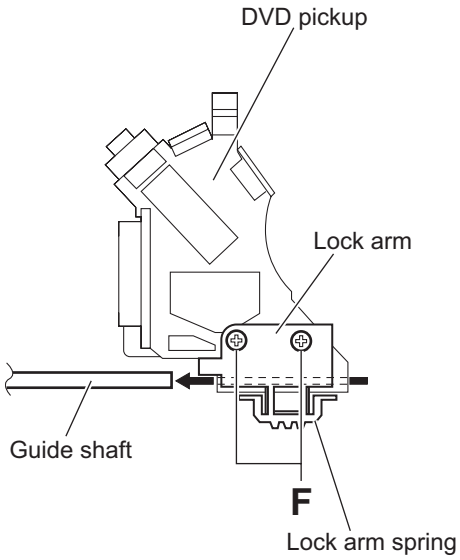


Fig.11

3.2.7 Attaching the pickup (See fig.9 to 12)

- Refer the "Removing the pickup".
  (1) Attach the guide shaft, lock arm and lock arm spring to DVD pickup. (See fig.11)
  (2) A pickup is united with the **j** section of a traverse mechanism assembly, and the both ends of a pickup shaft are attached in the **g** section and the **h** section. (See fig.10)

  Reference:

  When attaching a guide shaft in the **h** section, it puts into the bottom of a rod spring.

  (3) Attach the trust spring and feed bracket. (See fig.9)
  (4) The solder of the short land section **b** of a pickup is removed after attaching a card wire in the connector of a pickup. (See fig.7)
  (5) A screw shaft gear is turned in the direction 1 of an arrow, and until full movement of the pickup is made to carry out in the direction 2 of an arrow. (See fig.12)

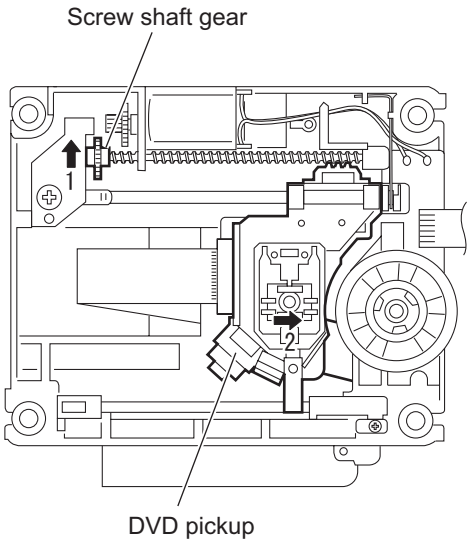


Fig.12

3.2.8 Removing the feed motor (See fig.9 and 13)

- Remove the DVD cover and traverse mechanism assembly.
  (1) Remove the one screw **E** attaching the feed bracket is removed from the upper surface of a traverse mechanism assembly, and a feed bracket is removed from the **e** section. (See fig.9)
  (2) A trust spring is removed from hook **f** and a trust spring is removed in the direction of an arrow. (See fig.13)
  (3) Remove the yellow wire and white wire from soldered section **k** of spindle motor board. (See fig.13)

  Reference:

  Attaching the feed motor, the wire through the part **m** of spindle base. (See fig.13)

  (4) The screw shaft shift to direction of the arrow.
  (5) Remove the one screw **G** attaching the feed motor from side surface of traverse mechanism assembly. (See fig.13)
  (6) Remove the feed motor. (See fig.13)

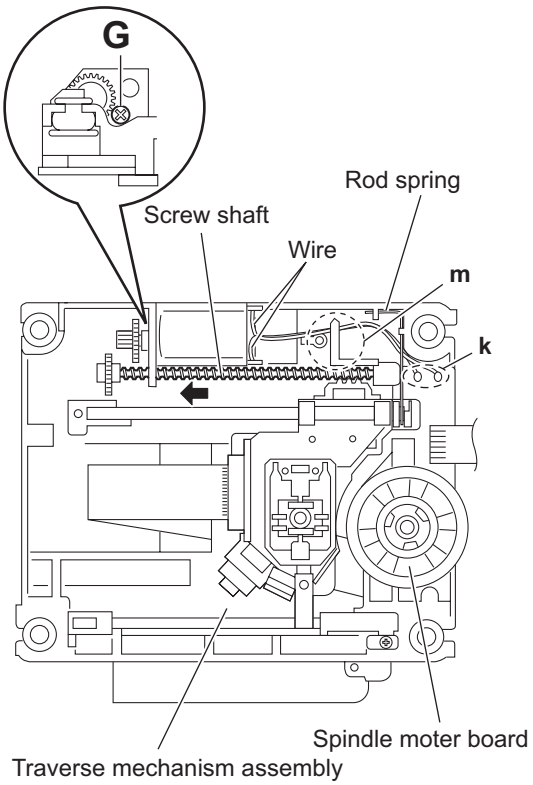


Fig.13

3.2.9 Removing the spindle motor board (See fig.13 and 14)

- Remove the DVD cover, traverse mechanism assembly and DVD servo board.
  (1) Remove the yellow wire and white wire from soldered section **k** of spindle motor board. (See fig.13)
  (2) Remove the three screws **H** attaching the feed motor board. (See fig.14)

Reference:

- When attach the spindle motor board, card wire through the part **n** of the traverse mechanism assembly. (See fig.14)
- When attach the screw **H**, apply grew. (See fig.14)

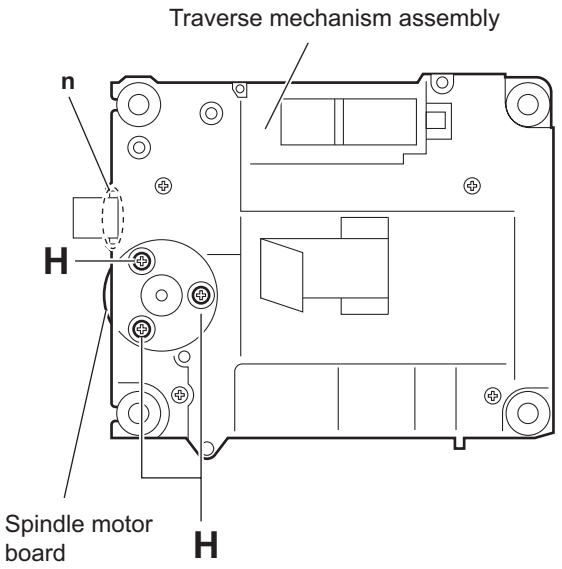


Fig.14

3.2.10 Removing the switch board (See fig.15)

(1) Remove the wire attaching the soldered section of switch board on part **p** of switch board from bottom surface of DVD mechanism.
(2) Remove the one screw **J** attaching the switch board.
(3) A switch board is raised pushing the hook of a DVD mechanism assembly in the direction of an arrow, and it removes from the **r** section.

Reference:

Wire hook to part **s** after switch board attach to DVD mechanism.

3.2.11 Removing the motor (See fig.15 and 16)

- DVD cover and tray assembly.
  (1) Remove the wire attach to part **p** of switch board from bottom surface of DVD mechanism assembly. (See fig.15)
  (2) Remove the belt of motor pulley from top surface of DVD mechanism. (See fig.16)

  Caution:

  Be careful not to make grease adhere to a belt.
  (3) Remove the two screws **K** attaching the motor to DVD mechanism assembly, remove the motor from bottom surface of DVD mechanism assembly. (See fig.16)

Reference:

Wire hook to part **s** after motor attached DVD mechanism. (See fig.15)

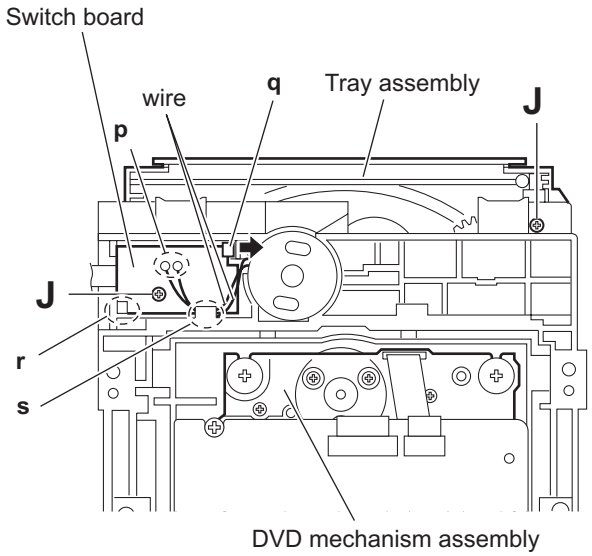


Fig.15

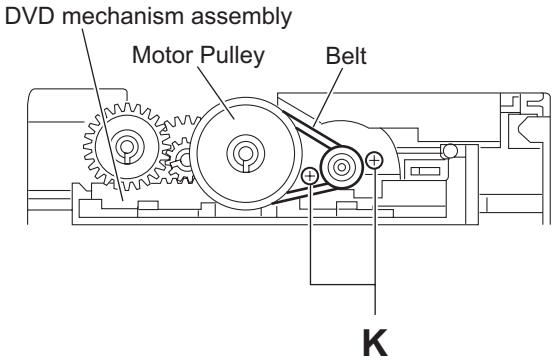


Fig.16

3.3 MD mechanism assembly

- Remove the MD mechanism assembly from main body.
  (Refer to "Removing the MD mechanism assembly" of main unit.)

3.3.1 Removing he MD servo control board (See fig.1 and 2)

(1) Remove the card wire from connector CN408 on MD servo control board, and then remove the flexible wire from connector CN407. (See fig.1)
(2) Remove the wire of head assembly from soldered section **a** of MD servo control board. (See fig.1)
(3) Remove the two screws **A** attaching the MD servo control board. (See fig.1)
(4) Shift the MD servo control board to direction the arrow, then remove the MD servo control board from fixing point b. (See fig.1)
(5) Solder the short land section of the pickup. (See fig.2)
(6) Remove the flexible wire from connector CN310 on bottom side of MD servo control board, and then remove the MD servo control board. (See fig.2)

Caution:

- Please solder to the short land section of a pickup before removing a flexible wire from the connector of a MD servo control board. If a card wire is removed without soldering, a pickup may be destroyed by static electricity. (See fig.2)
- At the time of MD servo control board attachment, please remove the solder of the short land section of a pickup after attaching a flexible wire in a connector CN310. (See fig.2)

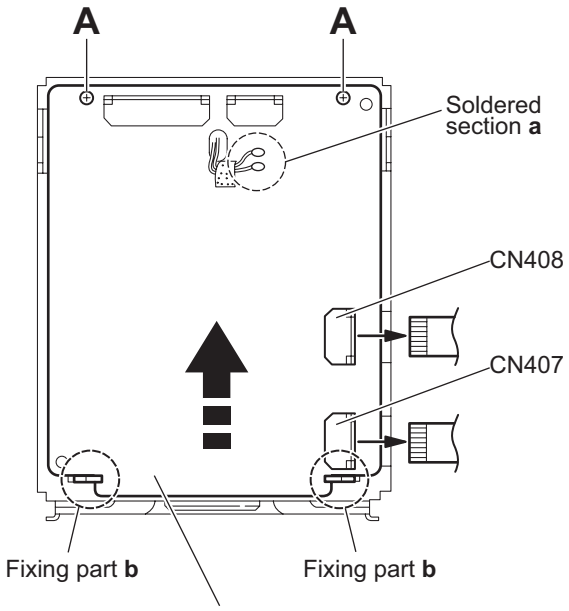


Fig.1

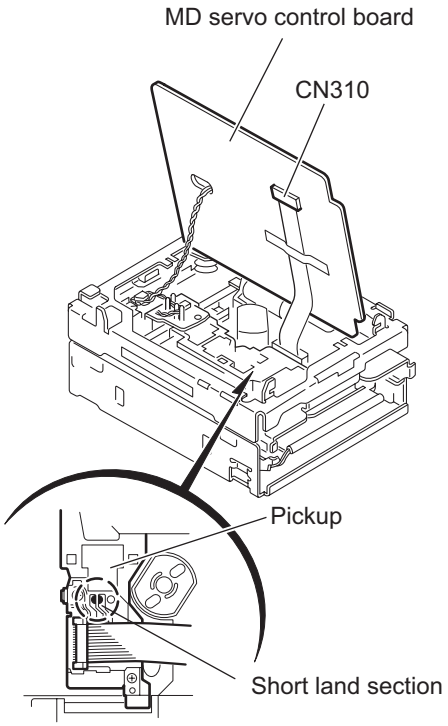


Fig.2

3.3.2 Removing the mecha cover (See fig.3)

(1) Remove the four screws **B** attaching the mecha cover.
(2) Remove the hook from fixing part **c** of the internal loading assembly.
(3) Shift the mecha cover to front side, and then remove to upper direction.

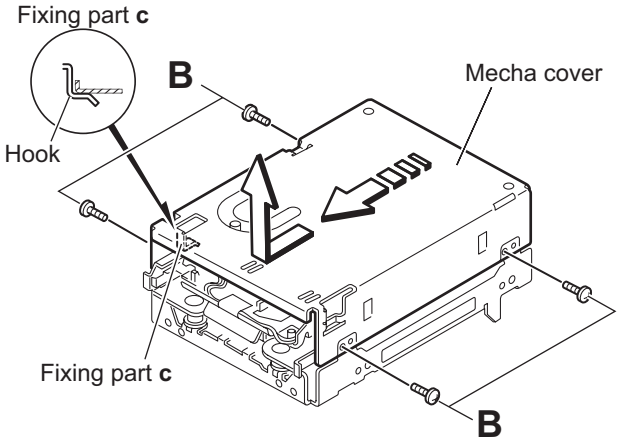


Fig.3

3.3.3 Removing the head lifter (See fig.4 to 6)

(1) Remove the spring from hook **d** of main body. (See fig.4)

Reference:

- Spring can be removed in the state where it was attached, to head lifter.
- Spring is removed from head lifter if needed.

(2) Shift the head lifter to direction the arrow, and then disconnect the fixing part **e**. (See fig.5)
(3) Remove the spring from the head lifter, and then remove the head lifter. (See fig.6)

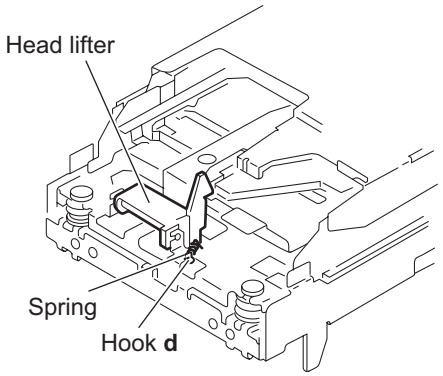


Fig.4

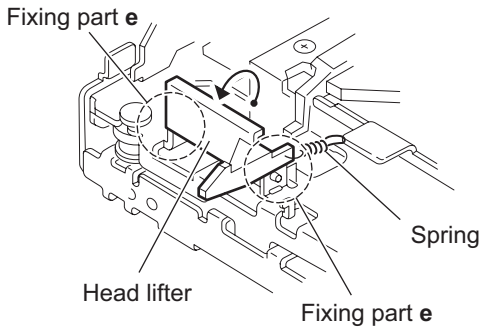


Fig.5

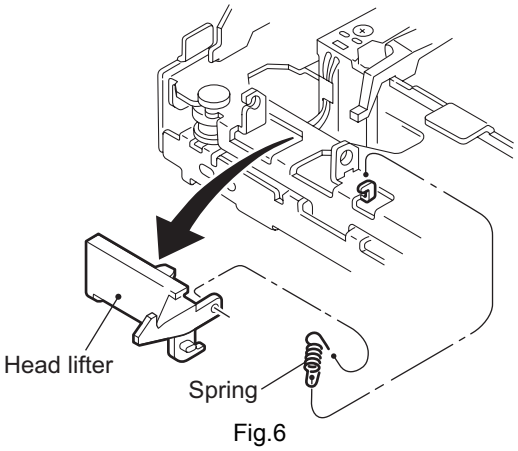


Fig.6

3.3.4 Removing the head assembly (See fig.7 and 8)

- Remove the MD servo control board.
  (1) Remove the wire from head assembly to fixed bottom part of pickup. (See fig.7)
  (2) Remove the screw **C** attaching the head assembly. (See fig.8)

Caution:

When you attach a head assembly, please fix the wire from a head assembly to a pickup. When fix a wire, please attach a pickup by most inside of position. And confirm the pickup pushed rest switch. (See fig.7)

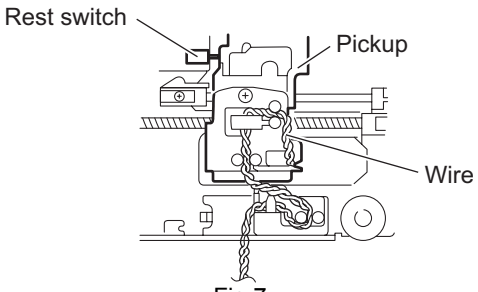


Fig.7

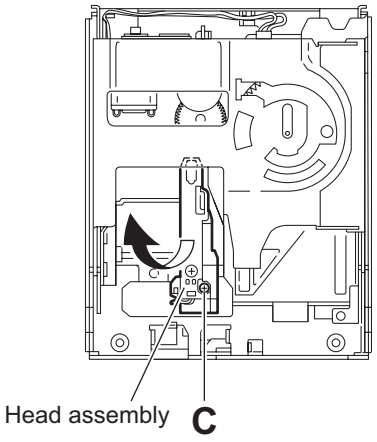


Fig.8

3.3.5 Removing the loading assembly and traverse mechanism assembly (See fig.9 and 10)

- Remove the MD servo control board, mecha cover, head lifter and head assembly.
  (1) Remove the three screws **D** attaching the loading assembly from upper side of main body. (See fig.9)
  (2) Shift the loading assembly to front side, and then disconnect the fixing part **f** of traverse mechanism assembly. (See fig.9)
  (3) Remove the loading assembly to upper side, and then remove the traverse mechanism from the single flame. (See fig.10)

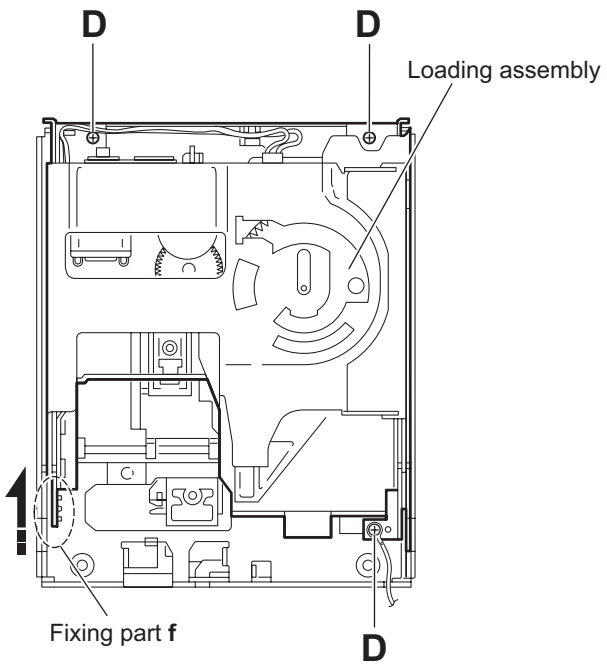


Fig.9

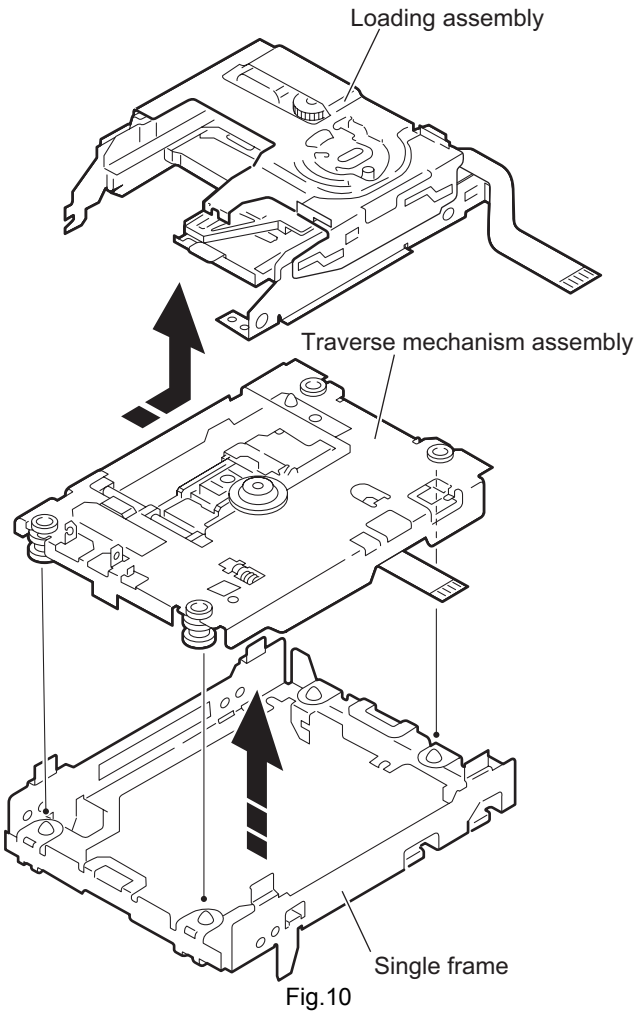


Fig.10

3.3.6 Removing the slide base (L) and slide base (R) (See fig.11)

- Remove the MD servo control board, mecha cover, head lifter, head assembly and loading assembly.
  (1) Remove the two screws **E** attaching the slide base (L) and slide base (R) from upper side of loading assembly.
  (2) Take out the slide base (L) and slide base (R)

Reference:

When attach the slide base (L), slide base (L) is attached according to fixing point g.

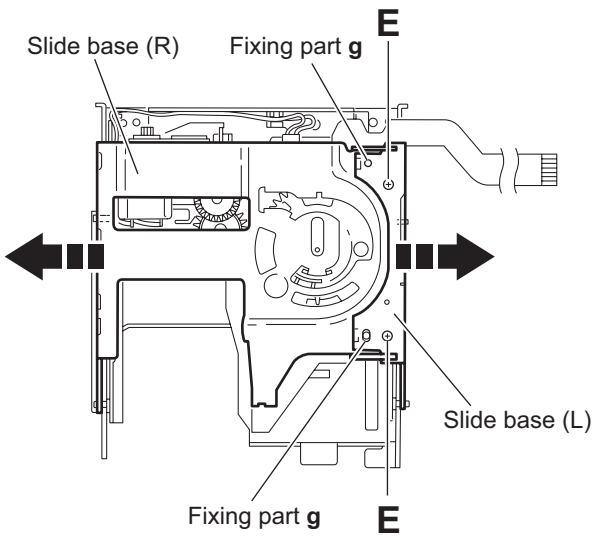


Fig.11

3.3.7 Removing the loading mechanism assembly (See fig.12)

- Remove the MD servo control board, mecha cover, head lifter, head assembly and loading assembly.
  (1) Remove the bend part **h** of mecha base from upper surface of loading assembly.
  (2) Pull up and remove take out the loading mechanism assembly.

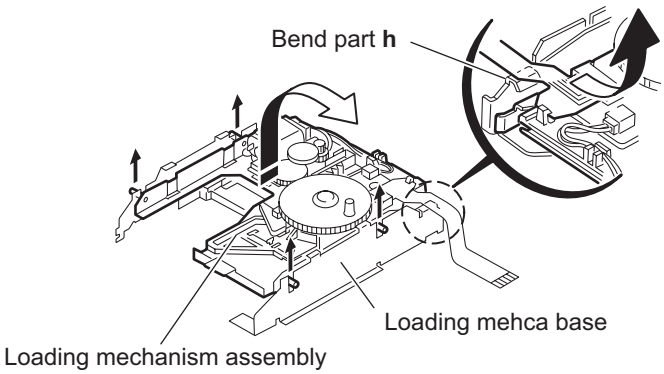


Fig.12

3.3.8 Removing the loading motor (See fig.13 and 14)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, loading assembly and loading mechanism assembly.
  (1) Disconnect the card wire from connector CN612 of cam switch board and then remove the card wire from wire holder at upper side of loading mechanism assembly. (See fig.13)
  (2) Remove the screw **F** attaching the loading motor assembly. (See fig.13)
  (3) Disconnect fixing part **i** and take out the loading motor assembly. (See fig.13)
  (4) Remove the belt from loading mechanism assembly. (See fig.14)
  (5) Remove the two screws **G** attaching the loading motor and take out loading motor. (See fig.14)

3.3.9 Removing the cam gear and cam switch board (See fig.13)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, loading assembly and loading mechanism assembly.
  (1) Remove the slit washer attaching the cam gear and take out it from upper surface of loading mechanism assembly.
  (2) Disconnect the wire from connector CN612 of cam switch board.
  (3) Remove the two screws **H** and clampers attaching the cam switch board and take out cam switch board.

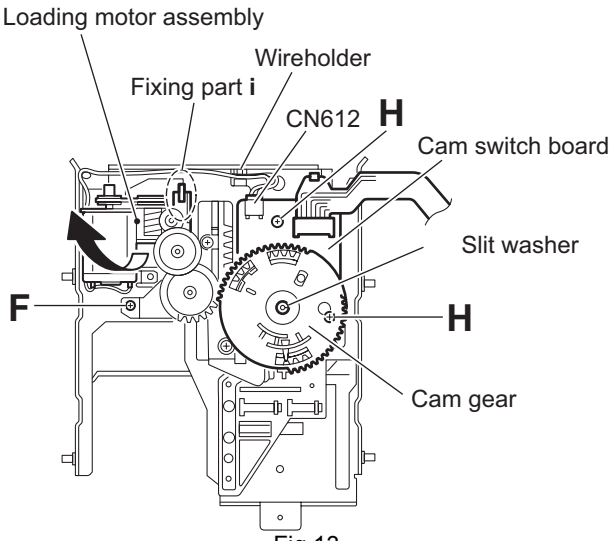


Fig.13

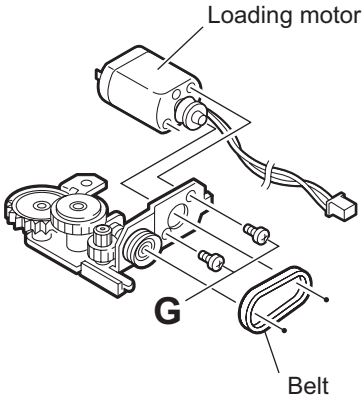


Fig.14

3.3.10 Removing the slide bar and cartridge holder assembly (See fig.15 and 16)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, loading assembly and loading mechanism assembly.
  (1) Remove the two screws **J** attaching the slide cover to fix cartridge holder assembly from upper surface of loading assembly. (See fig.15 and 16)
  (2) Take out the slide cover to upper surface and then take out the cartridge holder assembly.

3.3.11 Removing the eject bar (See fig.15)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, loading assembly loading mechanism assembly and cartridge holder assembly.
  (1) Shift eject bar to direction the arrow until to stop from upper surface of loading assembly.
  (2) Press hook **j** from bottom surface of loading assembly, and then take out the eject bar.

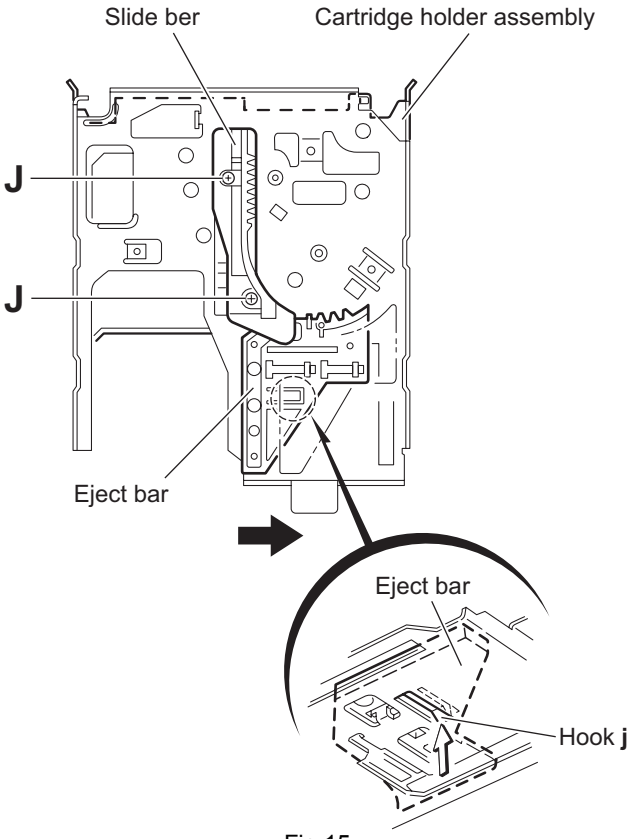


Fig.15

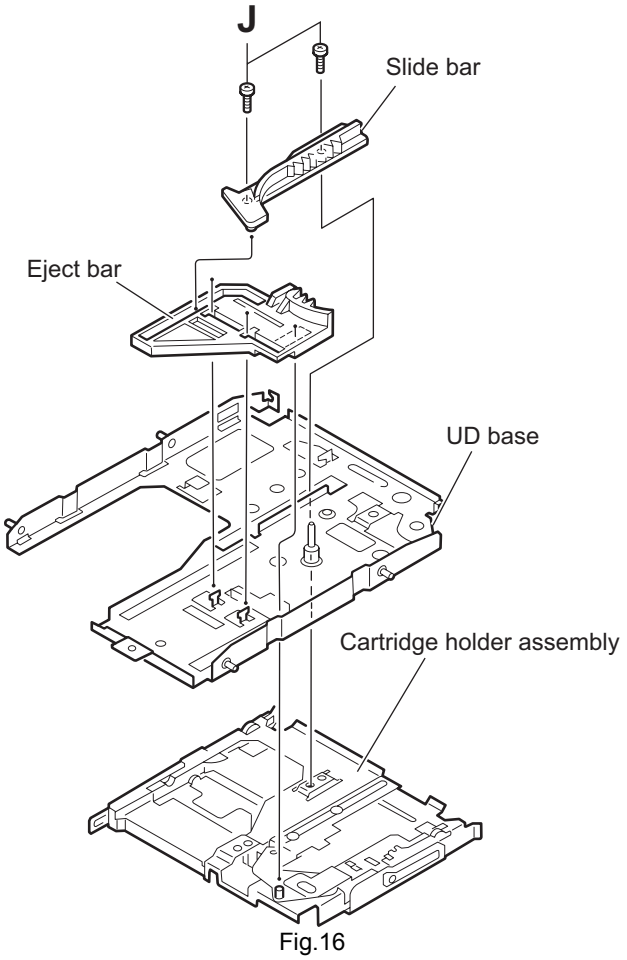


Fig.16

3.3.12 Removing the insulator (See fig.17)

- Remove the MD servo control board, mecha cover, head lifter, head assembly and traverse mechanism assembly.
  (1) Remove the insulator from cut part of traverse mecha chassis at upper surface of traverse mechanism.

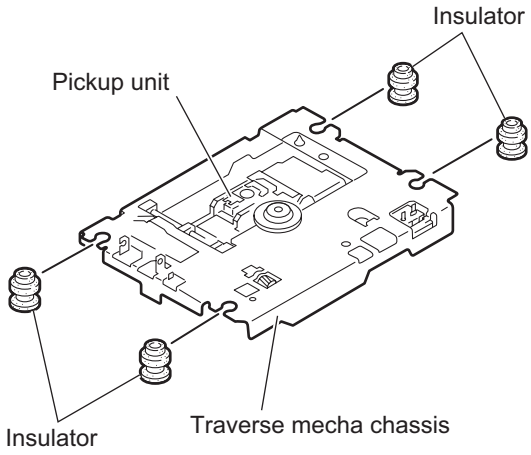


Fig.17

3.3.13 Removing the pickup (See fig.18)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, traverse mechanism assembly and insulator.
  (1) Remove the screw **K** attaching the shaft holder (F) from bottom surface of traverse mechanism.
  (2) Shift the pickup to inner side, and then take out the shaft holder (R).
  (3) Shift the pickup unit to upper surface from shaft, and then remove the fixing part **k** of pickup guide, remove the shaft and pickup unit together.

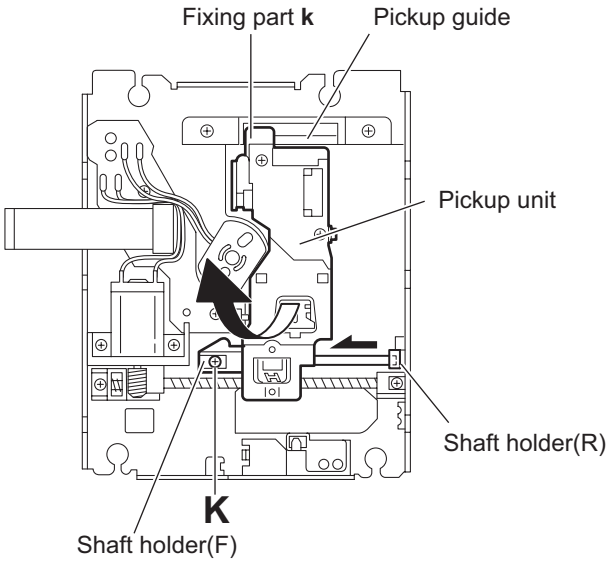


Fig.18

3.3.14 Removing the pickup (See fig.19)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, traverse mechanism assembly, insulator and pickup unit.
  (1) Take out the shaft from pickup.
  (2) Remove the two screws **M** attaching the lack spring from pickup.

Caution:

- Please solder to the short land section of a pickup before removing a flexible wire from the connector of a MD servo control board. If a card wire is removed without soldering, a pickup may be destroyed by static electricity.
- At the time of MD servo control board attachment, please remove the solder of the short land section of a pickup after attaching a flexible wire in a connector.

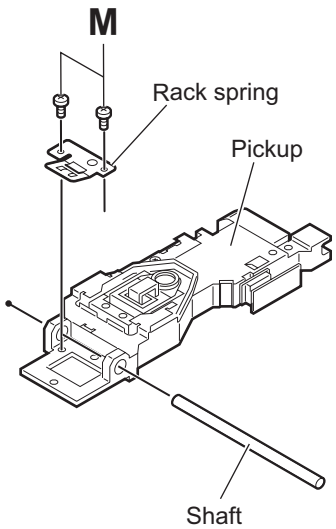


Fig.19

3.3.15 Removing the feed motor assembly (See fig.20 and 21)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, traverse mechanism assembly and insulator.
  (1) Remove the white wire and black wire attached soldered section **m** of traverse mechanism board. (See fig.20)
  (2) Remove the two screws **N** attaching the feed motor assembly. (See fig.20)
  (3) Remove the two screws **P** attaching the feed motor bracket. (See fig.21)
  (4) Take out the feed motor.

3.3.16 Removing the traverse mechanism board (See fig.20)

- Remove the MD servo control board, mecha cover, head lifter, head assembly, traverse mechanism assembly, insulator and feed motor assembly.
  (1) Remove the red wire and black wire of feed motor attached soldered section of traverse mechanism board.
  (2) Remove the screw **Q** attaching the traverse mechanism board.

Caution:

- When an inner circumference has a pickup most in the case of attachment of a traverse mechanism board, in order to interfere with a rest switch, it is necessary to move a pickup to the perimeter for a while.
- When make it move, turn a screw shaft gear.

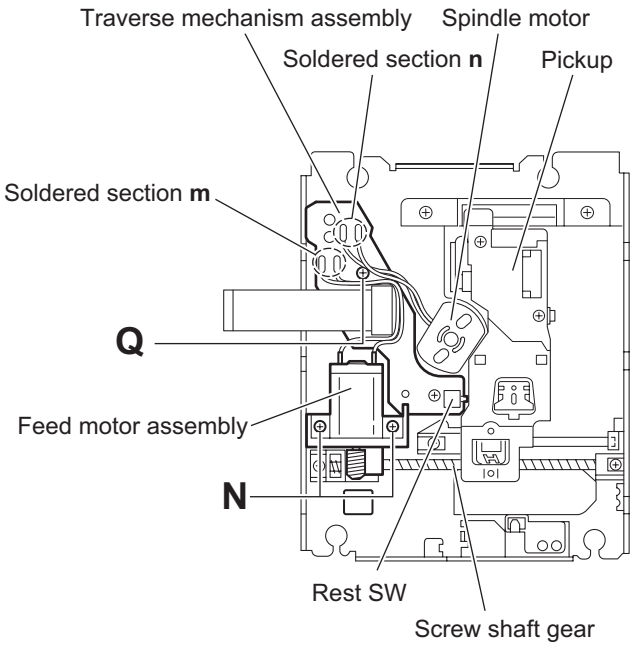


Fig.20

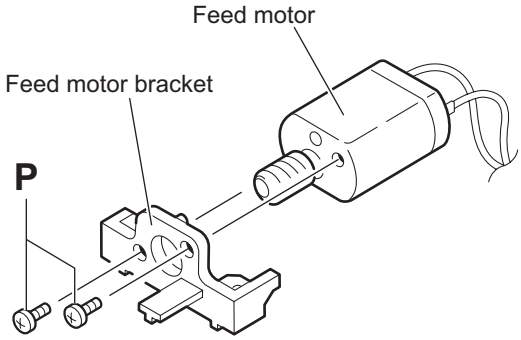


Fig.21

3.3.17 Attaching the loading assembly (See fig.22 to 29)

(1) Attach the eject bar to UD base. (See fig.22 and 23)

(2) A slide bar is attached to loading mecha chassis, uniting the **p** section of the boss of a slide bar with the slot of an ejection bar. (See fig.22)

(3) Where a slide bar and an ejection bar are moved in the direction of an arrow, a cartridge holder is attached with two screws **R**. (See fig.23 and 24)

Caution:

Where the eject bar and loading slider of a cartridge holder assembly are moved in the direction of an arrow, please check that the pin of the **q** section of an ejection lever is correctly inserted in the slot **r** section at the bottom of a loading chassis.

(4) UD base bends in the cut part of a wire holder, and a through wire holder is put for the part **f** section on UD base. (See fig.23)

Caution:

Please change into the state where the boss on the wire holder back side went into the hole of UD base.

(5) Cam switch board is attached with the two screws **S**. (See fig.23)

(6) The boss on a cam switch board is rotated and it unites with triangle mark on a board. (See fig.25)

(7) The hole of a cam gear is attached with a slit washer according to the boss of a cam switch. (See fig.25)

Caution:

When you attach a cam gear, after the boss of a cam gear has clung to the hole of a cam gear correctly, please check that it is in the state which triangle mark of the gear **u** section and a cam gear in which the hole of an ejection bar opened simultaneously suited.

(8) Loading motor assembly is attached with screw **T**. (See fig.25)

(9) Wire from loading motor is attached with connector CN612 of switch board, and then hook to UD base bend part **v**. (See fig.25)

(10) Wire fix with wire holder. (See fig.25)

(11) Four pins of right and left of UD base are set and attached in the cut part of loading mecha base, respectively. (See fig.26)

Caution:

As the **w** part of loading mecha base bends and the portion bottom is made to pass through **x** parts of a cartridge holder assembly first, since, please attach. (See fig.26)

(12) Two pins of UD base part are set by the clipping hole of the side of a slide base (R), and a slide base (R) is attached. (See fig.27 and 28)

Caution:

At this time, please attach so that a slide base (R) bends and Part **y** comes to the inner side (shaft side) **z** section of the rib of a cam gear.

(13) Two pins of UD base part are set by the clipping hole of the side of a slide base (L), and a slide base (R) is attached. (See fig.27)

(14) In the state of entering certainly, boss **aa** attaches the two screws **U** a slide base (L) in the hole of a slide base (L). (See fig.27 and 29)

Reference:

Work is easy, if each pin is cut and lacked in the state where UD base part was floated, in the case of attachment of a slide base (L) and a slide base (R), and it unites and attaches in a hole.

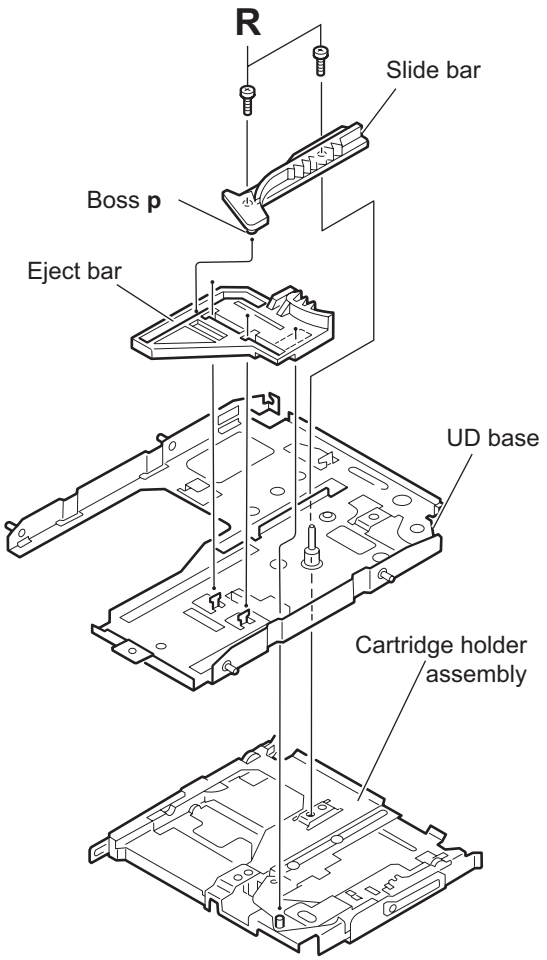


Fig.22

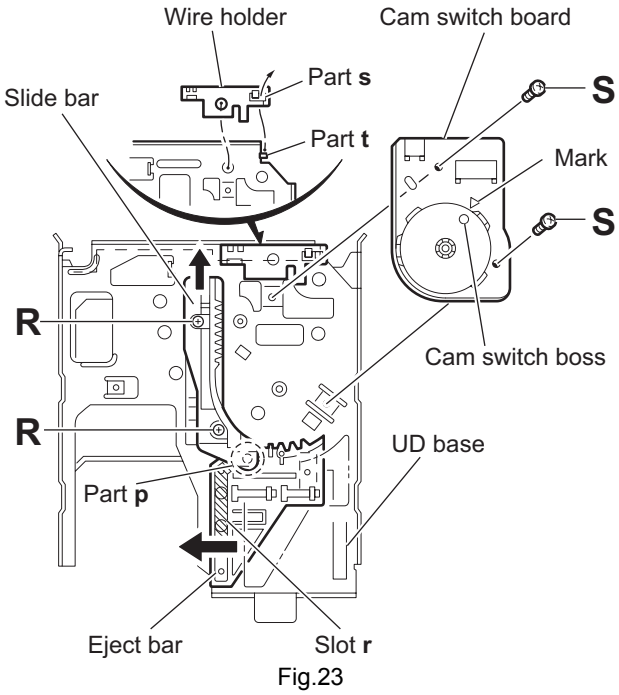


Fig.23

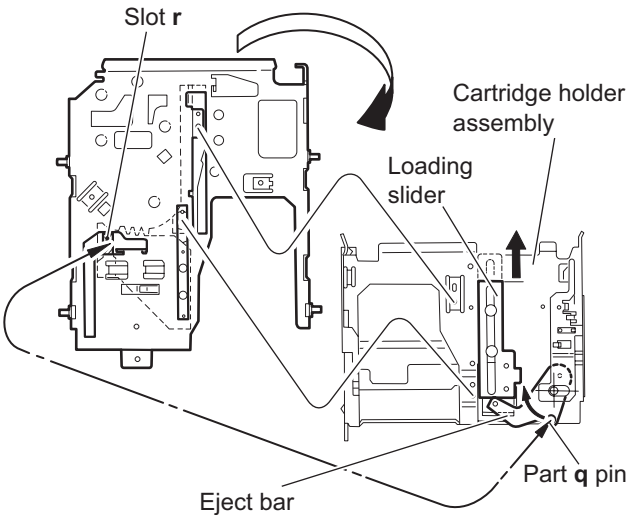

Slot **r**
Cartridge holder assembly
Loading slider
Part **q** pin
Eject bar

Fig.24

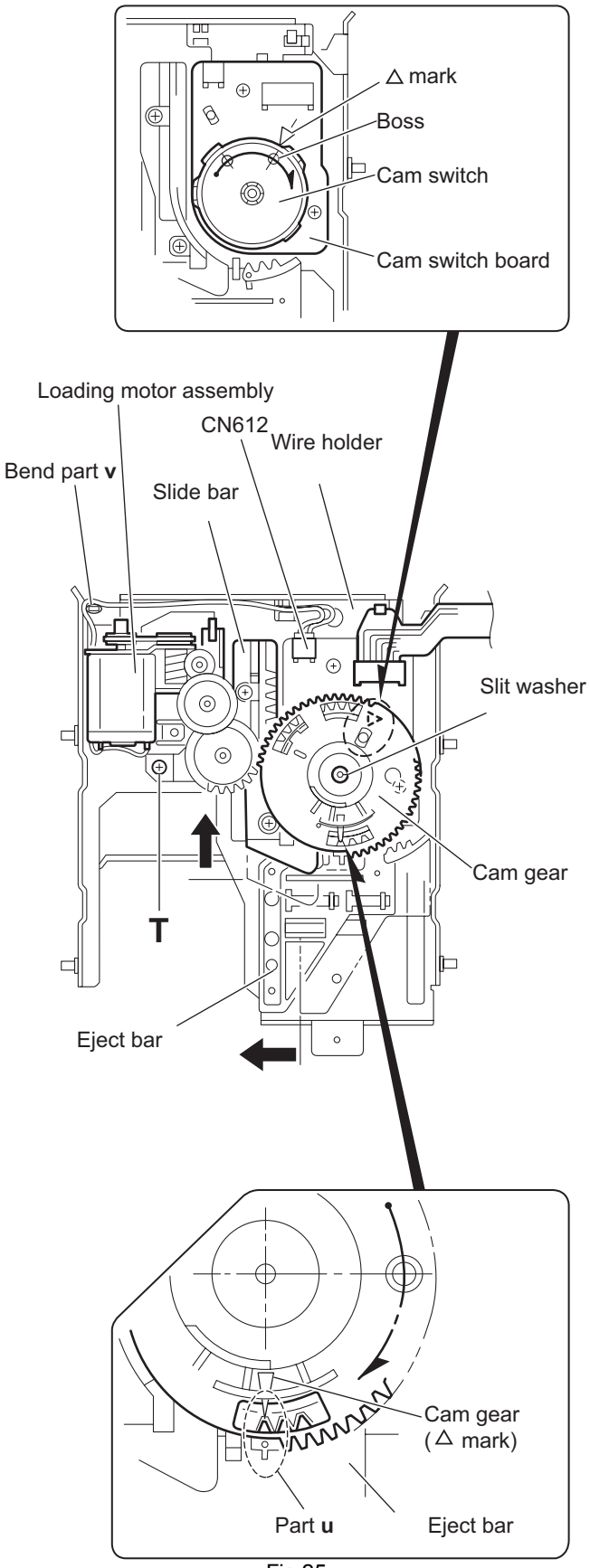

△ mark
Boss
Cam switch
Cam switch board
Loading motor assembly
CN612
Wire holder
Bend part **v**
Slide bar
Slit washer
Cam gear
T
Eject bar
Cam gear (△ mark)
Part **u**
Eject bar

Fig.25

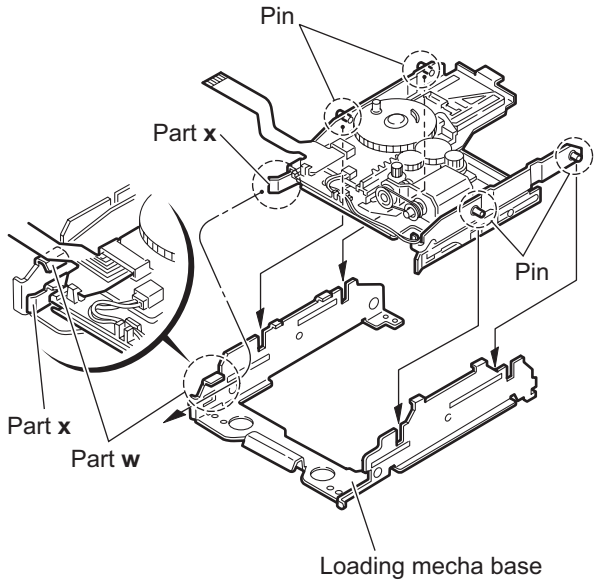


Fig.26

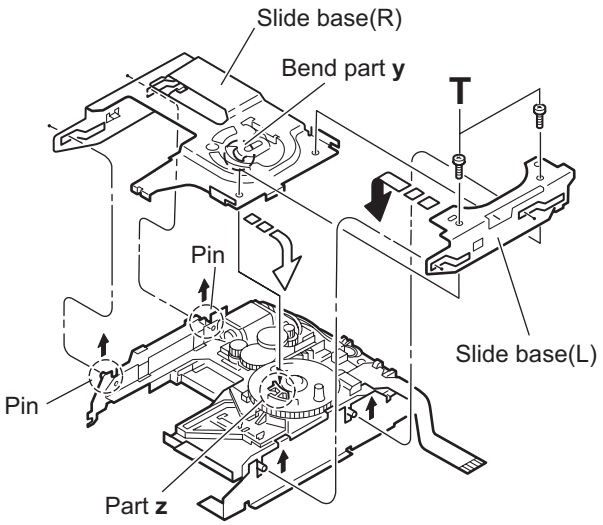


Fig.27

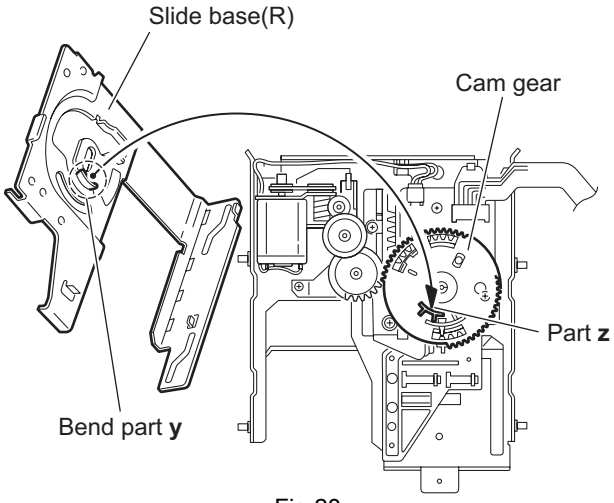


Fig.28

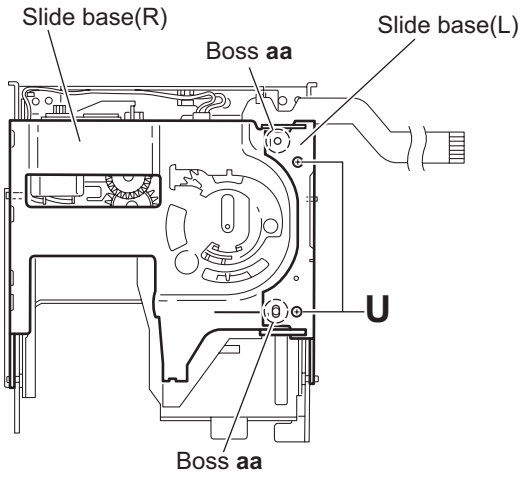


Fig.29

3.4 Cassette mechanism assembly

3.4.1 Removing the Play/Record & Clear head (See Fig.1~3)

(1) While moving the trigger arm on the right side of the head mount in the direction of the arrow, turn the flywheel R counterclockwise until the head mount comes ahead and clicks.
(2) The head turns counterclockwise as you turn the flywheel R counterclockwise (See Fig.2 and 3).
(3) Disconnect the flexible wire from connector CN31 on the head amplifier & mechanism control board.
(4) Remove the spring from the back of the head.
(5) Loosen the azimuth screw for reversing attaching the head.
(6) Remove the head on the front side of the head mount.

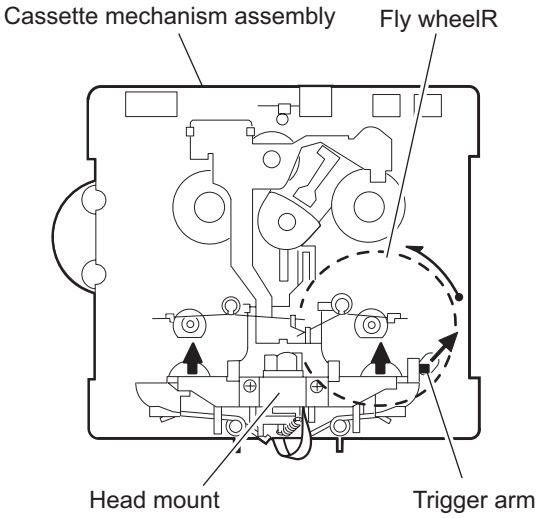


Fig.1

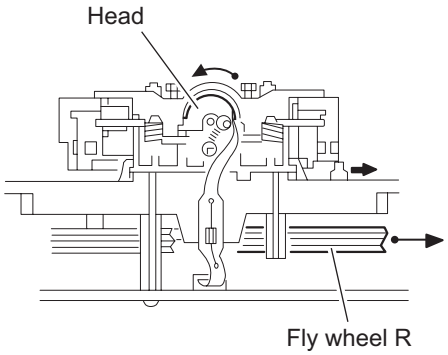


Fig.2

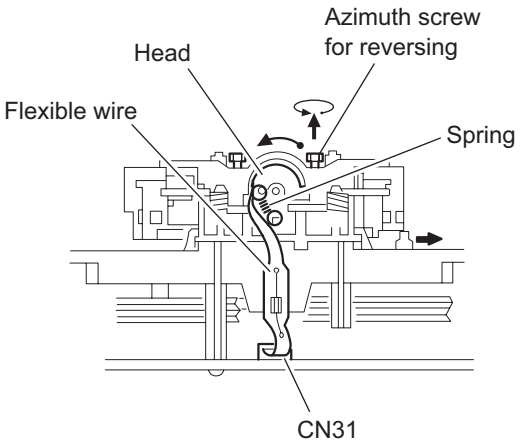


Fig.3

3.4.2 Removing the head amplifier & mechanism control board (See Fig.4)

(1) Turn over the cassette mechanism assembly and remove the three screws **A** attaching the head amplifier & mechanism control board.
(2) Disconnect the flexible wire from connector CN31 on the head amplifier & mechanism control board.
(3) Disconnect connector CN32 of the head amplifier & mechanism control board from connector CN1 on the reel pulse board.REFERENCE: If necessary, unsolder the 4-pin wire soldered to the main motor.

3.4.3 Removing the main motor (See Fig.4~7)

(1) Remove the two screws **B** .
(2) Half raise the motor and remove the capstan belt from the motor pulley.

ATTENTION:

Be careful to keep the capstan belt from grease. When reassembling, refer to Fig.6 and 7 for attaching the capstan belt.

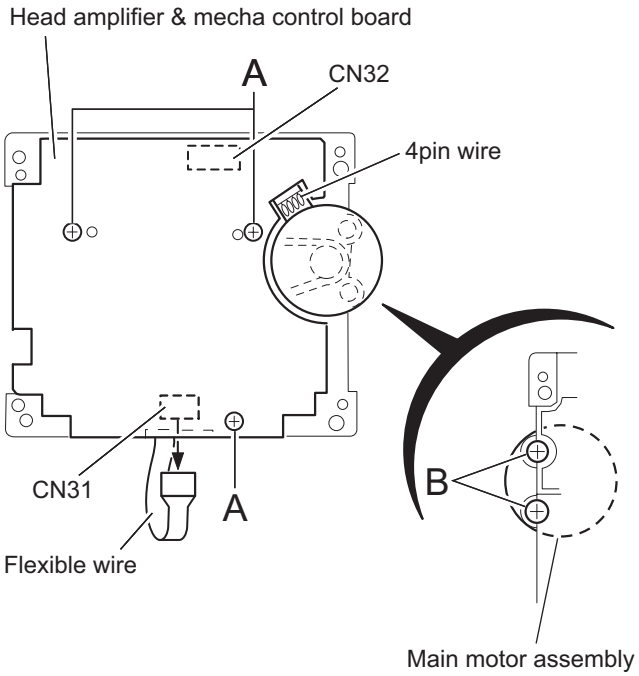


Fig.4

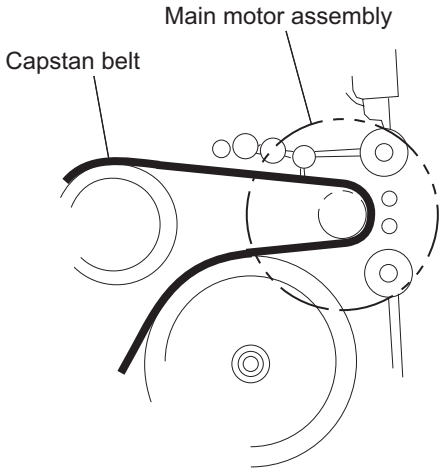


Fig.5

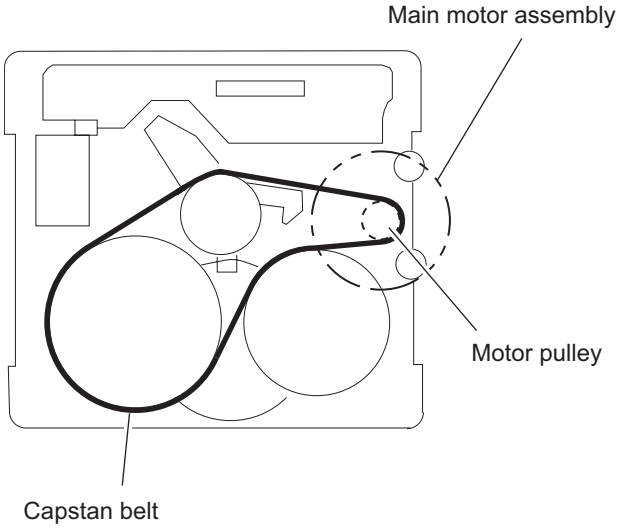


Fig.6

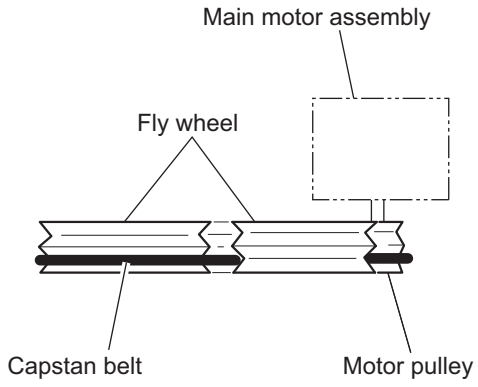


Fig.7

3.4.4 Removing the flywheel (See Fig.8, 9)

- Prior to performing the following procedure, remove the head amplifier & mechanism control board and the main motor assembly.
  (1) From the front side of the cassette mechanism, remove the slit washers attaching the capstan shaft **L** and **R**. Pull out the flywheels backward.

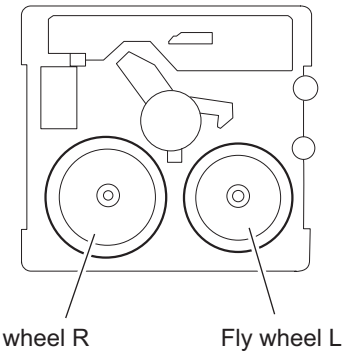


Fig.8

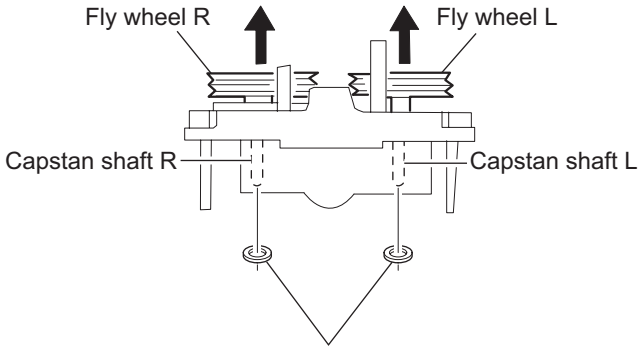


Fig.9

3.4.5 Removing the reel pulse board and solenoid (See Fig.10)

- Prior to performing the following procedure, remove the head amplifier & mechanism control board.
  (1) Remove the screw **C**.
  (2) Release the tab **a**, **b**, **c**, **d** and **e** retaining the reel pulse board.
  (3) Release the tab **f** and **g** attaching the solenoid on the reel pulse board.
  (4) The reel pulse board and the solenoid come off.

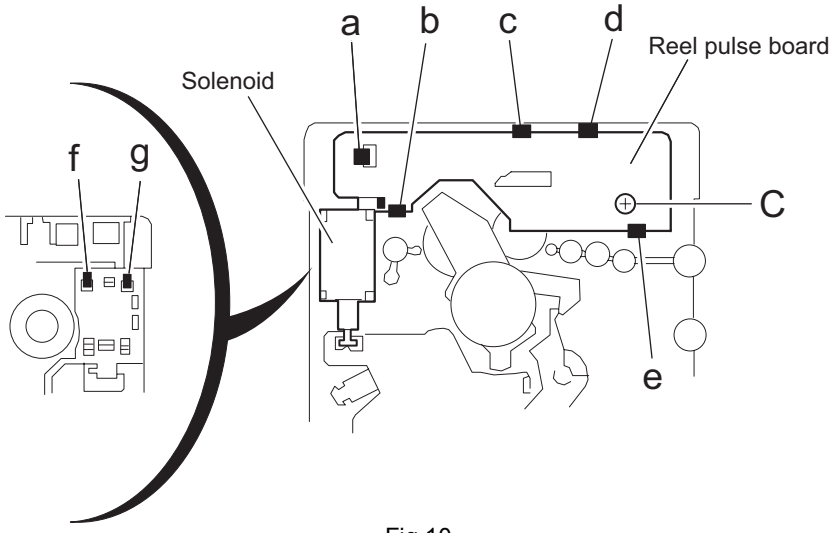


Fig.10

3.4.6 Reattaching the Play/ Record & Clear head (See Fig.11~13)

(1) Reattaching the head mount assembly.

a) Change front of the direction cover of the head mount assembly to the left (Turn the head forward).

b) Fit the bosses **O'**, **P'**, **Q'**, **U'** and **V'** on the head mount assembly to the holes **P** and **V**, the slots **O**, **U** and **Q** of the mechanism sub assembly (See Fig.11 to 13).

CAUTION:

To remove the head mount assembly, turn the direction cover to the left to disengage the gear. If the gear can not be disengaged easily, push up the boss **Q'** slightly and raise the rear side of the head mounts slightly to return the direction lever to the reversing side.

(2) Tighten the azimuth screw for reversing.

(3) Reattach the spring from the back of the Play/ Record & Clear head.

(4) Connect the flexible wire to connector CN31 on the head amplifier & mechanism control board.

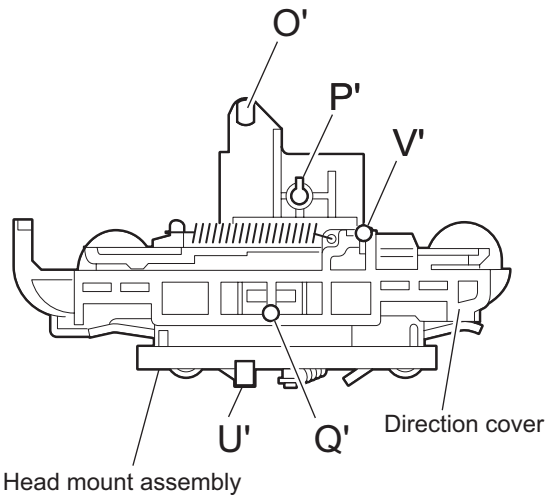


Fig.11

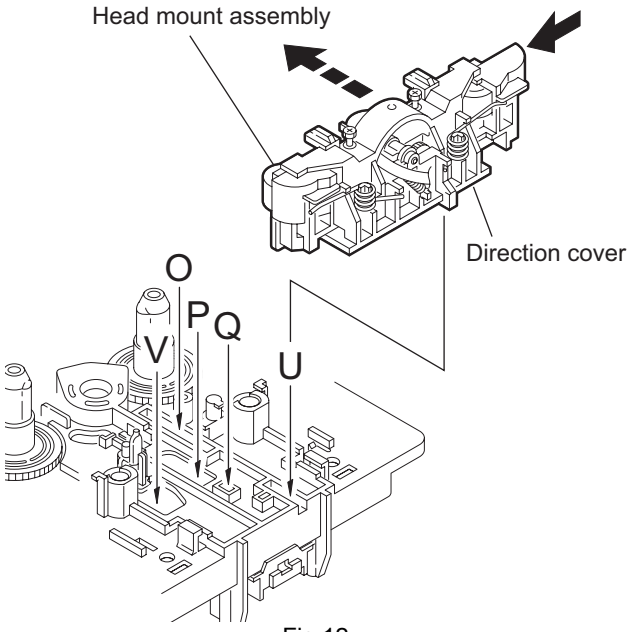


Fig.12

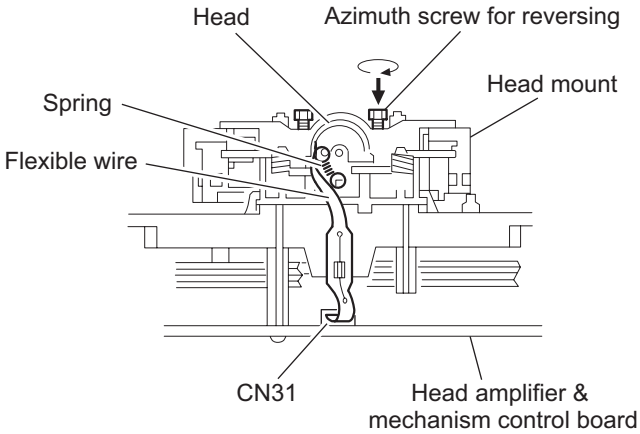


Fig.13

SECTION 4
ADJUSTMENT

4.1 Jigs and test instruments

(1) Laser power meter (Wavelength : 780um)
(2) Laser power meter sensor (disk type)
(3) Premastered disk
(4) Recordable disk

4.2 Adjustment and check items

4.2.1 Test mode

(1) FL display all lighting-up mode

4.2.2 MD section

(1) Setup of the TEST MODE 1
(2) Initialization of EEPROM
(3) Setup of the laser power
(4) Adjustment of stray light offset
(5) Iop check
(6) Adjustment of the disk
(7) Setup of the TEST MODE 2
(8) Cancel of the TEST MODE

4.2.3 DVD section

(1) Setup of the TEST MODE
(2) Initialization setting in shipment
(3) Initialization of EEPROM
(4) Destination version display of main microcomputer and main unit.
(5) Check mode

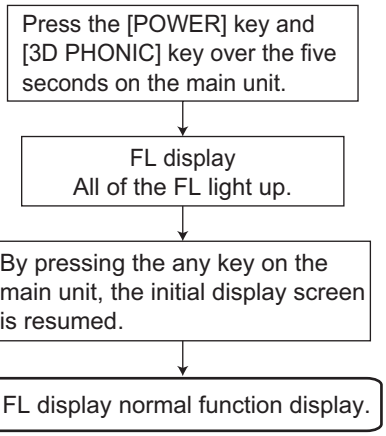
4.2.4 Error log

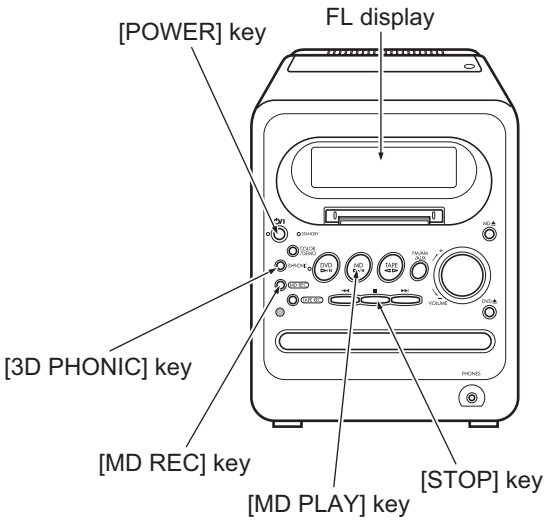
(1) Outline
(2) Written to ERROR
(3) The error logs check method
(4) ERROR details

4.3 Adjustment and check method

1. Test mode

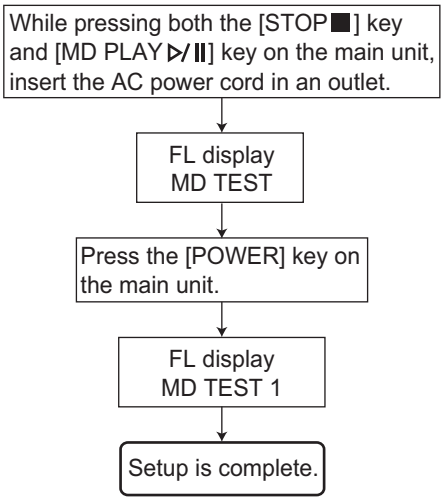
(1) FL display all lighting-up mode


Press the [POWER] key and [3D PHONIC] key over the five seconds on the main unit.
FL display All of the FL light up.
By pressing the any key on the main unit, the initial display screen is resumed.
FL display normal function display.



2. MD section

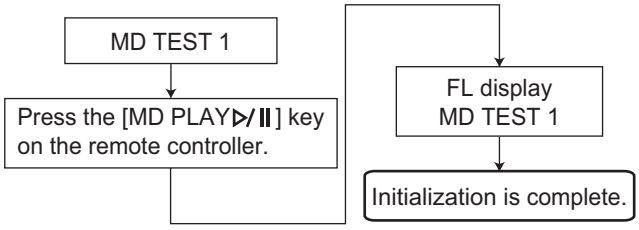
(1) Setup of the TEST MODE 1


While pressing both the [STOP■] key and [MD PLAY ▷/ II] key on the main unit, insert the AC power cord in an outlet.
FL display MD TEST
Press the [POWER] key on the main unit.
FL display MD TEST 1
Setup is complete.

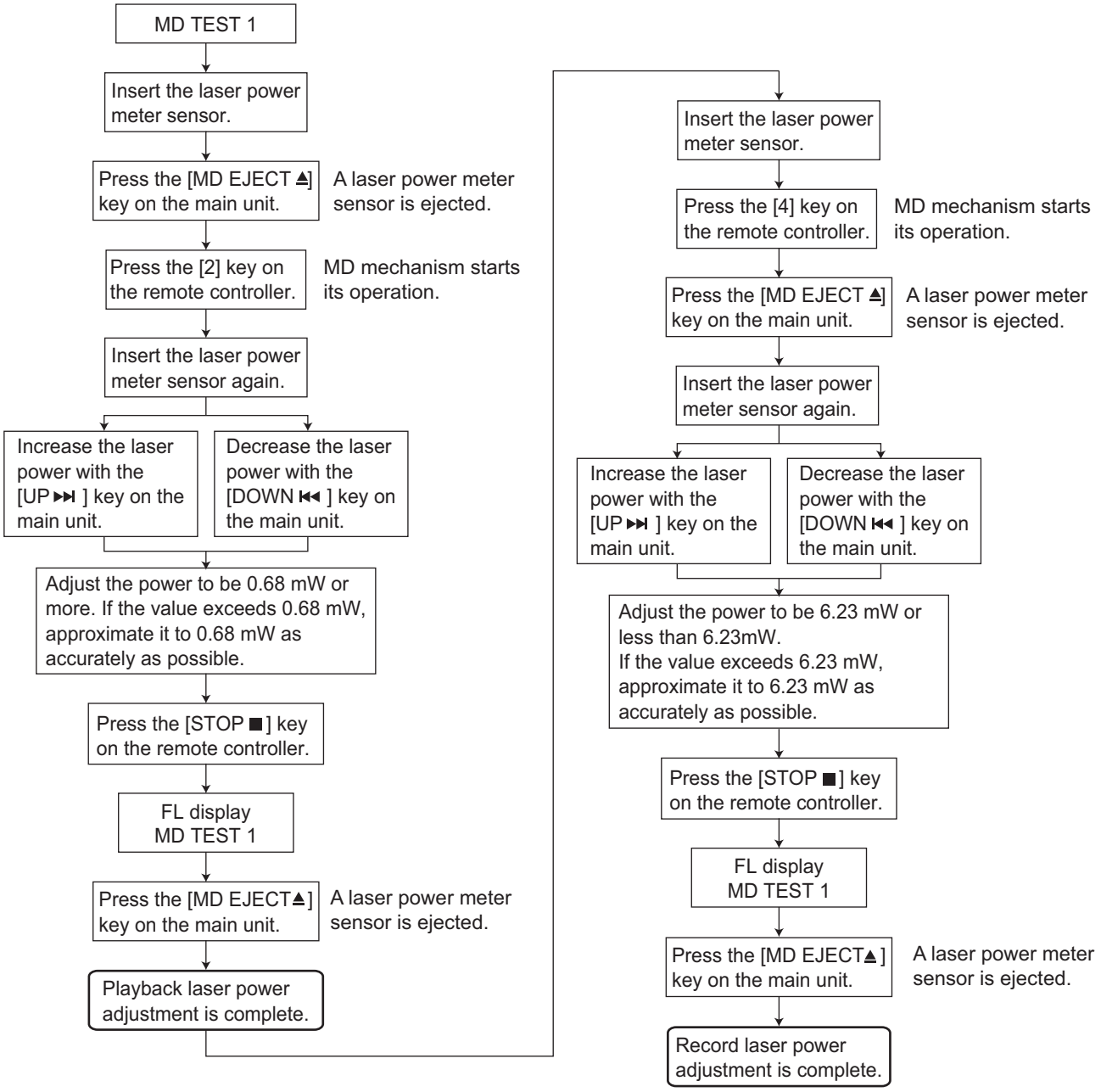
(2) Initialization of EEPROM

(Note)

- When EEPROM is initialized, all data is deleted and any adjustment will be disabled. Give the most careful consideration to performing this operation.
- This operation should be executed only when an EEPROM is replaced.
- The setting of the TEST MODE 1 should be completed for performing the initialization. Carry out the following operations with a remote controller.



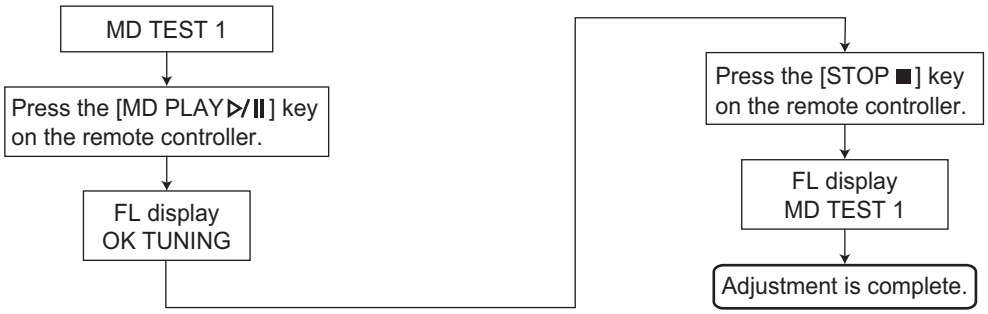
(3) Setup of the laser power


MD TEST 1
Insert the laser power meter sensor.
Press the [MD EJECT ▲] key on the main unit.
A laser power meter sensor is ejected.
Press the [2] key on the remote controller.
MD mechanism starts its operation.
Insert the laser power meter sensor again.
Increase the laser power with the [UP ▶▶|] key on the main unit.
Decrease the laser power with the [DOWN |◀◀] key on the main unit.
Adjust the power to be 0.68 mW or more. If the value exceeds 0.68 mW, approximate it to 0.68 mW as accurately as possible.
Press the [STOP ■] key on the remote controller.
FL display MD TEST 1
Press the [MD EJECT▲] key on the main unit.
A laser power meter sensor is ejected.
Playback laser power adjustment is complete.
Insert the laser power meter sensor.
Press the [4] key on the remote controller.
MD mechanism starts its operation.
Press the [MD EJECT ▲] key on the main unit.
A laser power meter sensor is ejected.
Insert the laser power meter sensor again.
Increase the laser power with the [UP ▶▶|] key on the main unit.
Decrease the laser power with the [DOWN |◀◀] key on the main unit.
Adjust the power to be 6.23 mW or less than 6.23mW. If the value exceeds 6.23 mW, approximate it to 6.23 mW as accurately as possible.
Press the [STOP ■] key on the remote controller.
FL display MD TEST 1
Press the [MD EJECT▲] key on the main unit.
A laser power meter sensor is ejected.
Record laser power adjustment is complete.

(4) Adjustment of stray light offset

(Note)

Execute adjustment of stray light offset in the state that a disk is not inserted in by all means.


MD TEST 1
Press the [MD PLAY ▷/❙❙] key on the remote controller.
FL display OK TUNING
Press the [STOP ■] key on the remote controller.
FL display MD TEST 1
Adjustment is complete.

(5) Iop check

In the MD test mode 1, when [0] key is pressed, the Iop display is performed by the following methods.
Purpose:
In order to check pick failure and static electricity failure by the laser ON current.
Measurement means:
"Laser ON current" mode was added to the static test mode. Laser current is measured in this mode.
Adjustment is not performed. Only a recording side corresponds.

AA : Laser power of playback in present (Current value mA)
BB : Laser power of recording in present (Current value mA)
CC : Laser power of playback in factory shipments (Current value mA)
DD : Laser power of recording in factory shipments (Current value mA)

Iop display (Only a recording side corresponds.)
The current of laser operation is measured and displayed.
Since change of the laser current of shipment and
the now can be seen, degradation of a pickup can be checked.
Adjustment is not performed.

* Pushing the [cancel] key of the remote controller,
it returns to the MD test mode.

It will display, if "DF, FF, AA, BB, CC, DD" are received from MD module.

I	O	.	B	B	.	D	D		@	@	@	

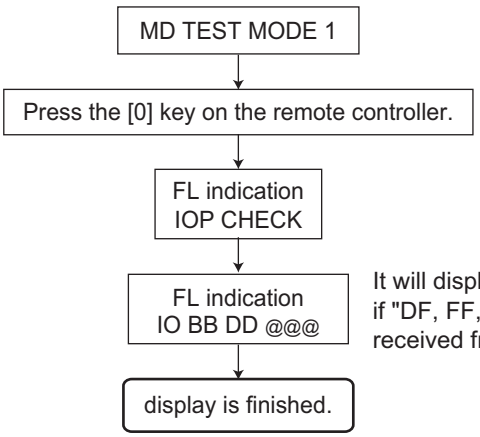
@@@ : The amount of change is displayed by three figures. [BB ÷ DD x 100]
(Below a decimal point is omission)
BB : Laser power of recording in present (Current value mA)
DD : Laser power of recording in factory shipments (Current value mA)

@@@ : The amount of change is displayed by three figures.
AA : Laser power of playback in present (Current value mA)
BB : Laser power of recording in present (Current value mA)
CC : Laser power of playback in factory shipments (Current value mA)
DD : Laser power of recording in factory shipments (Current value mA)

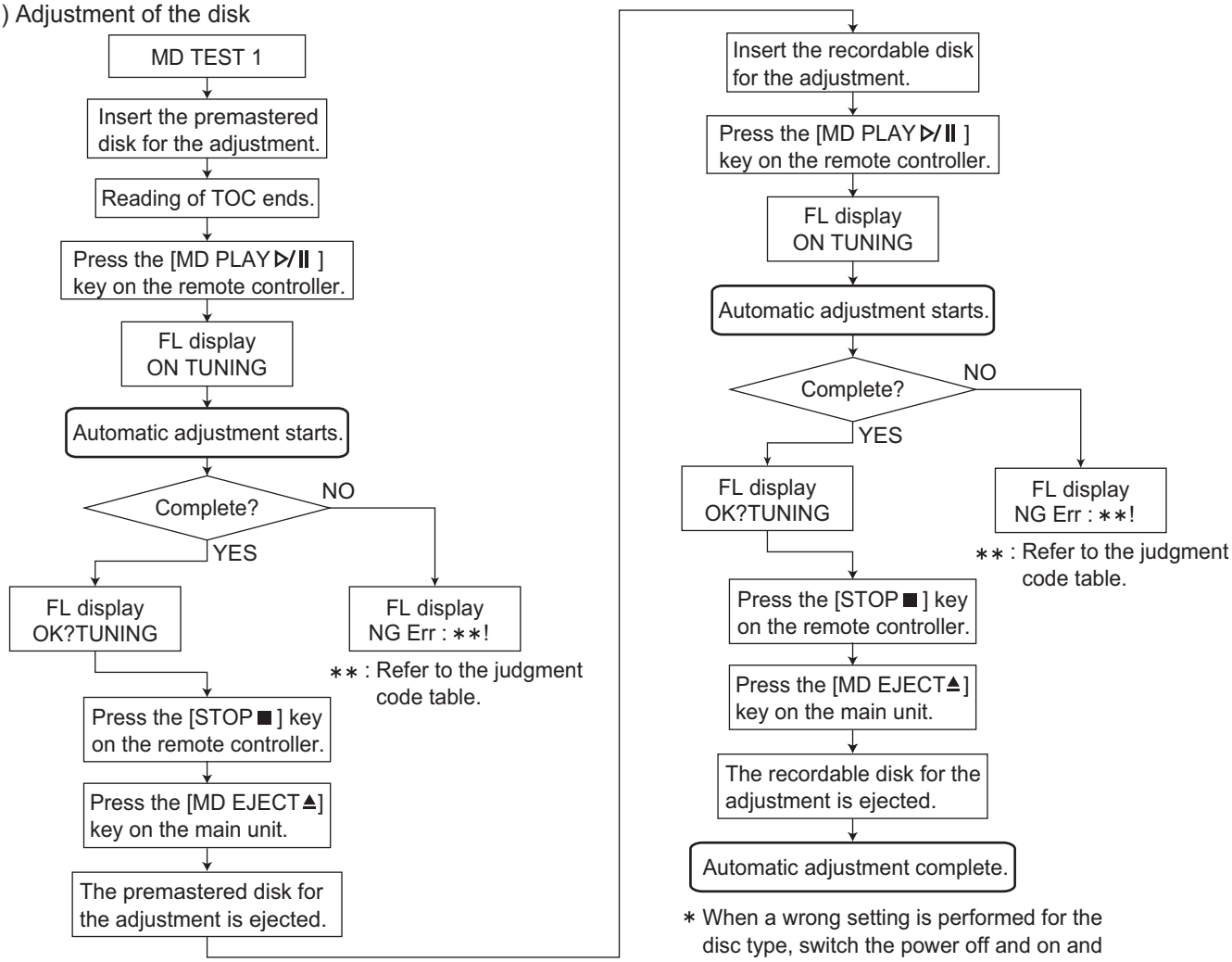
@@@ = The amount of change is displayed by three figures. [BB ÷ DD x 100]
(Below a decimal point is omission)
Check the display of @@@ portion is 120% or less.

If a check is completed, pull out AC socket without pressing other keys..

MD is put in before a test.
(The data may be eliminated)


MD TEST MODE 1
Press the [0] key on the remote controller.
FL indication
IOP CHECK
FL indication
IO BB DD @@@
It will display,
if "DF, FF, AA, BB, CC, DD" are
received from MD module.
display is finished.

(6) Adjustment of the disk


MD TEST 1
Insert the premastered disk for the adjustment.
Reading of TOC ends.
Press the [MD PLAY ▷/II] key on the remote controller.
FL display ON TUNING
Automatic adjustment starts.
Complete?
NO
YES
FL display OK?TUNING
FL display NG Err : ∗∗!
∗∗ : Refer to the judgment code table.
Press the [STOP ■] key on the remote controller.
Press the [MD EJECT ≜] key on the main unit.
The premastered disk for the adjustment is ejected.
Insert the recordable disk for the adjustment.
Press the [MD PLAY ▷/II] key on the remote controller.
FL display ON TUNING
Automatic adjustment starts.
Complete?
NO
YES
FL display OK?TUNING
FL display NG Err : ∗∗!
∗∗ : Refer to the judgment code table.
Press the [STOP ■] key on the remote controller.
Press the [MD EJECT ≜] key on the main unit.
The recordable disk for the adjustment is ejected.
Automatic adjustment complete.

∗ When a wrong setting is performed for the disc type, switch the power off and on and start the setting procedure again.

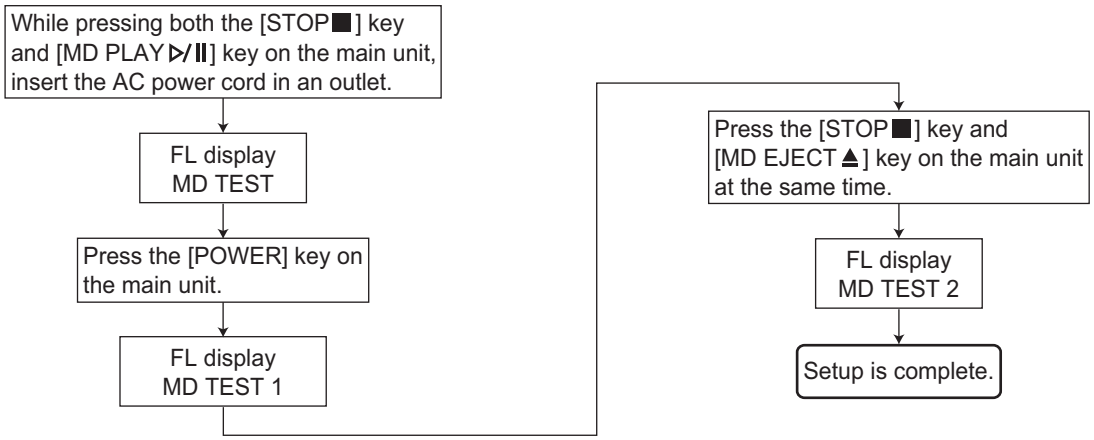
Judgment Code Table

Recordable disk adjustment code	Premastered disk adjustment code	NG item in adjustment
00	0	Error being anonymous
20	30	Focus on with focus error gain adjustment
21	32	Tracking error gain balance adjustment (Lens shift ON)
22	-	Tracking drive (TRD) sensitivity adjustment
23	31	Spindle low voltage drive
24	33	Tracking ON
25	34	Spindle ADIP/EFM rough servo ON
26	35	Focus loop gain adjustment
27	36	Focus balance adjustment
28	37	Tracking error gain balance adjustment (Lens shift OFF)
29	38	Lens position servo sensitivity adjustment
2A	39	Tracking ON
2B	3A	Spindle ADIP/EFM rough servo ON
2C	3B	Tracking loop gain adjustment
2D	3C	NRFDETslice level measurement
3E	-	Pit → Grv movement
3F	3F	Other processing

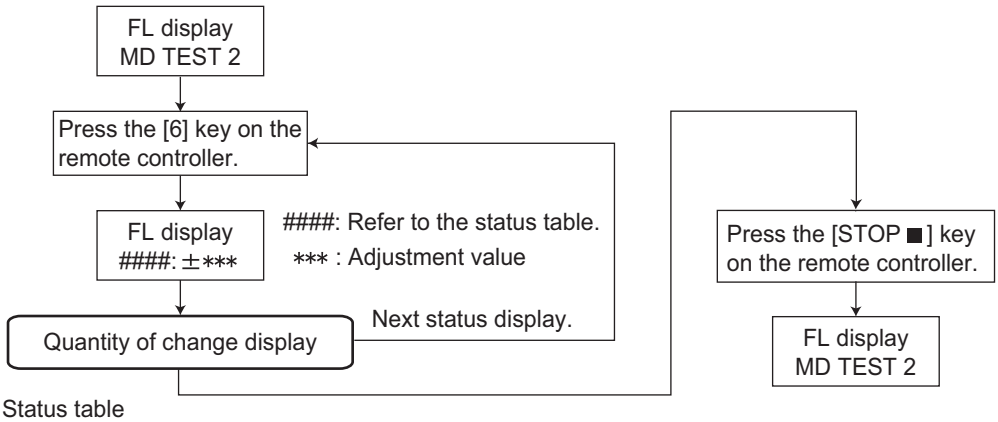
Judgment Code Table of error factor

Code	Error factor
0	Error being anonymous / Other factor
1	Focus loser search
2	FLOCK detects an unlocking state before command execution
4	TLOCK detects an unlocking state before command execution
11	TRD sensitivity learning error (TRD arrives at a limit value)
12	TRD sensitivity learning error (Error of truck counter number is big.)
14	Offset gap of A →B signal is big

(7) Setup of the TEST MODE 2


While pressing both the [STOP ■] key and [MD PLAY ▷/ II] key on the main unit, insert the AC power cord in an outlet.
FL display MD TEST
Press the [POWER] key on the main unit.
FL display MD TEST 1
Press the [STOP ■] key and [MD EJECT ▲] key on the main unit at the same time.
FL display MD TEST 2
Setup is complete.

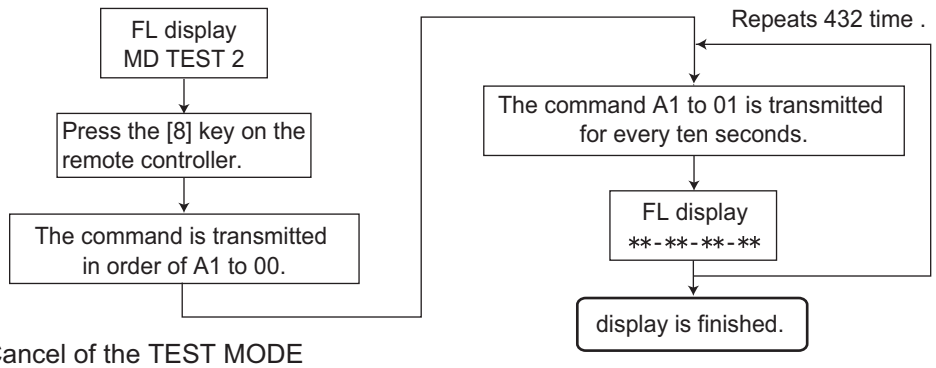
1. Quantity of change display of pickup adjustment value
   Only the TOC reading end back becomes effective.


FL display MD TEST 2
Press the [6] key on the remote controller.
FL display ####: ±***
####: Refer to the status table.
*** : Adjustment value
Quantity of change display
Next status display.
Press the [STOP ■] key on the remote controller.
FL display MD TEST 2

Status table

FL display	Status contents
LPOW	Laser power, Premastered disc=0, Recordable disc=recordable power (There is temperature revision)
ASGN	AS gain adjustment value
TGAN	Tracking gain adjustment value
TBAL	Tracking balance adjustment value
FBAL	Focus balance adjustment value
FRGN	Focus loop gain adjustment value
TRGN	Tracking loop gain adjustment value
NRFD	NRFDET threshold value
LPGN	Lens position servo gain adjustment value

1. C1 errer display
   Only the TOC reading end back becomes effective.


FL display MD TEST 2
Press the [8] key on the remote controller.
The command is transmitted in order of A1 to 00.
Repeats 432 time .
The command A1 to 01 is transmitted for every ten seconds.
FL display **-**-**-**
display is finished.

(8) Cancel of the TEST MODE

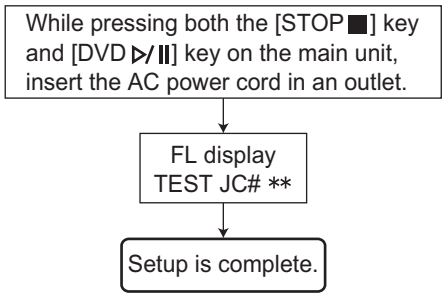
To cancel the test mode, press the [POWER] key on the main unit.

3. DVD section

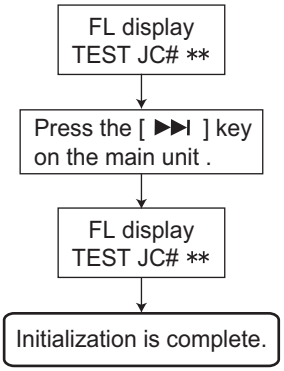
Attention in service of DVD section

1. When pickup, Flash ROM, DVD module board were changed, initialize EEPROM by all means.
2. When full initialization was executed, execute learning with a DVD test disk by all means.
   Test disc : VT-501, VT-502
   Learning method : It is adjusted automatically by normal playback of a DVD test disc.

(1) Setup of the TEST MODE


While pressing both the [STOP ■] key and [DVD ▷/ II] key on the main unit, insert the AC power cord in an outlet.
FL display TEST JC# **
Setup is complete.

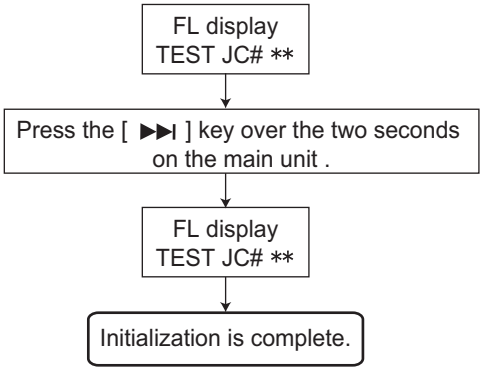
(2) Initialization setting in shipment



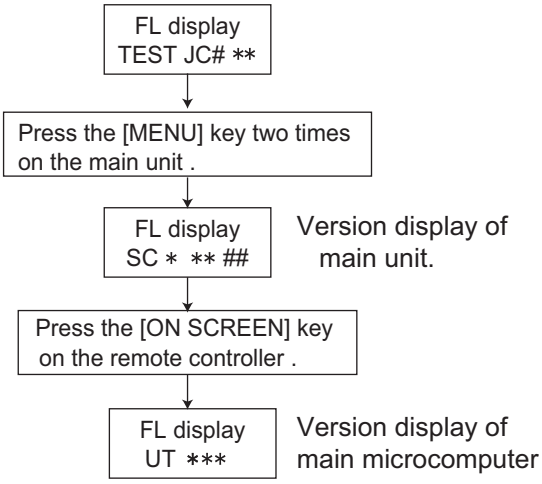
(3) Initialization of EEPROM

(Note)

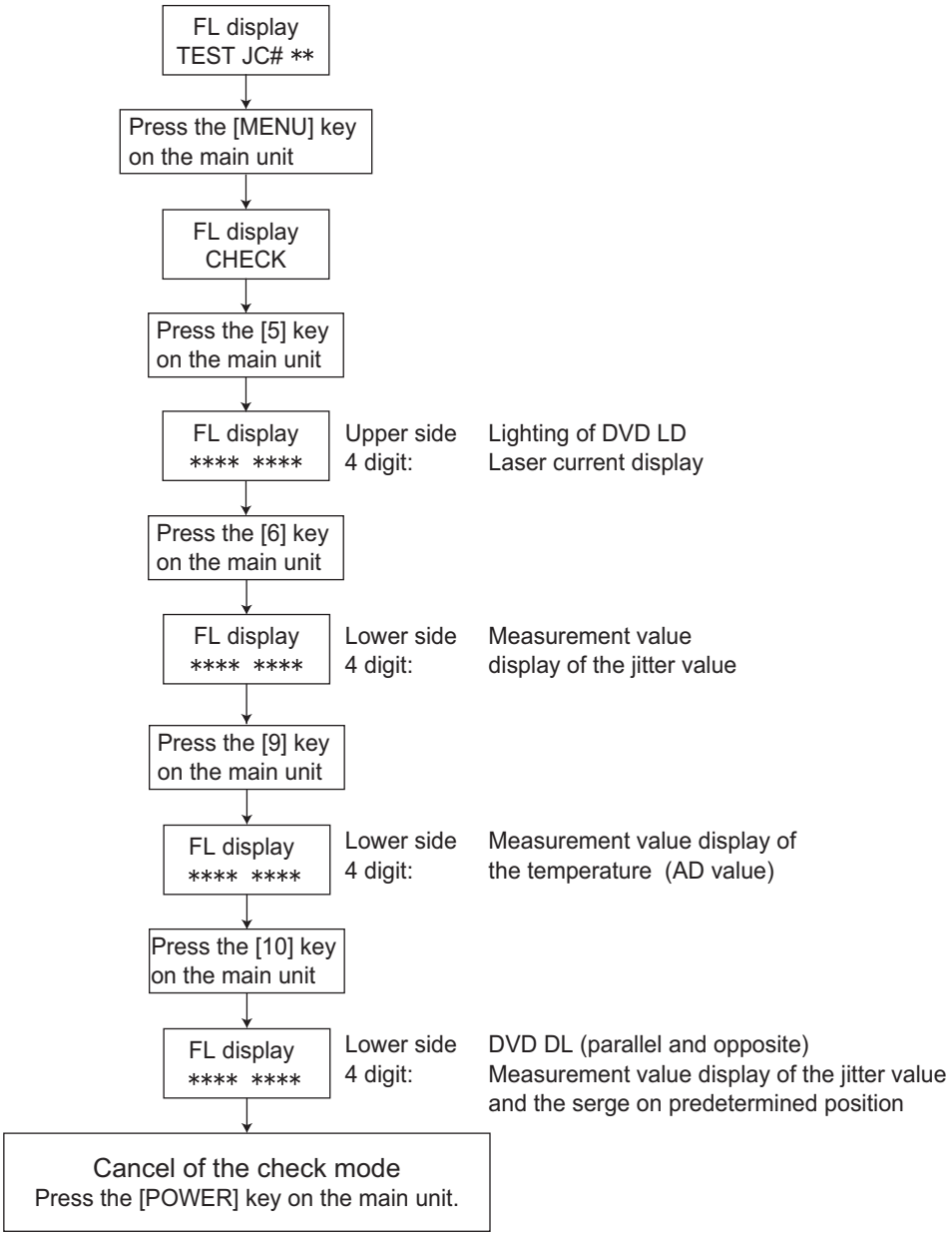
- When EEPROM is initialized, all data is deleted and any adjustment will be disabled. Give the most careful consideration to performing this operation.
- This operation should be executed only when an EEPROM and PICUP is replaced.



(4) Destination version display of main microcomputer and main unit.


FL display TEST JC# **
Press the [MENU] key two times on the main unit .
FL display SC * ** ##
Version display of main unit.
Press the [ON SCREEN] key on the remote controller .
FL display UT ***
Version display of main microcomputer

(5) Check mode


FL display
TEST JC# **
Press the [MENU] key
on the main unit
FL display
CHECK
Press the [5] key
on the main unit
FL display
**** ****
Upper side
4 digit:
Lighting of DVD LD
Laser current display
Press the [6] key
on the main unit
FL display
**** ****
Lower side
4 digit:
Measurement value
display of the jitter value
Press the [9] key
on the main unit
FL display
**** ****
Lower side
4 digit:
Measurement value display of
the temperature (AD value)
Press the [10] key
on the main unit
FL display
**** ****
Lower side
4 digit:
DVD DL (parallel and opposite)
Measurement value display of the jitter value
and the serge on predetermined position
Cancel of the check mode
Press the [POWER] key on the main unit.

4. Error history

(1) Outline

The failure that is not reproduced may occur in a market.
Presumption of the cause of failure is difficult.
This error log is recorded when failure occurs.
It is displayed again and can use to service.

Using the EEPROM of 256bytes.
When an unusual state occurs, it writes the factor in EEPROM.
It leaves the history for 16 times to each item.
The error log displays in TEST code of remote controller,
and enables it to check the contents of each address by the key.

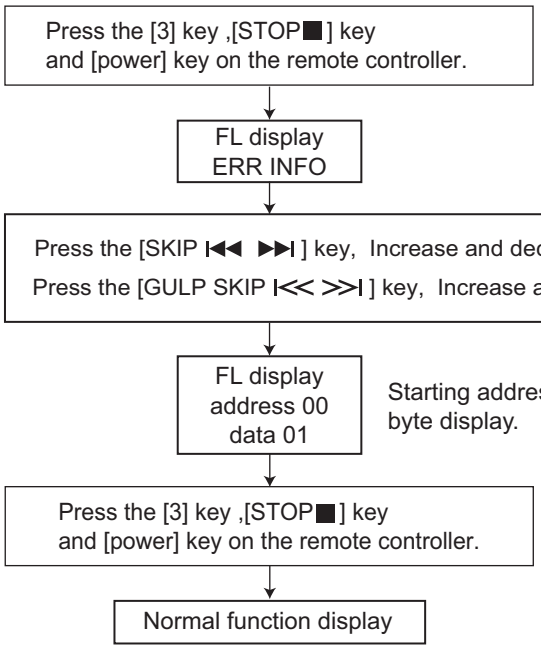
(2) Written to ERROR

The contents of ERROR are written in the EEPROM address.

No	Item	Writing times	Writing contents	Writing conditions	Factor of failure
1	SAFETY Number AD value	16 16	SAFETY number and AD value	When detecting of SAFETY error, writing SAFETY number and AD value	Power circuit failure. Damage of card wire. Missing key operation.
2	Timer playback is not starting	16	Factor of failure	Timer playback is not starting	User operation
3	Timer recording is not starting	16	Factor of failure	Timer recording is not starting	User operation
4	Recording is not starting	16	Factor of failure	Normal recording is not starting (except TIMER RECORDING)	User operation
5	Time out power OFF	16	Factor of failure	Time out of power OFF process	Mechanical and module failure Damage of card wire. Missing key operation.
6	CD	16	Factor of failure	Error with CD	Mechanical and pick up failure
7	DVD	16	Factor of failure	Error with DVD	Mechanical failure
8	MD	16	Factor of failure	Error with MD	Mechanical and module failure
9	TAPE	16	Factor of failure	Error with TAPE	Mechanical failure
10	Power OFF	16	Factor of power OFF	When starting of power OFF process	User operation

(3)The error log check method

Read-out of a error history can be displayed by code of remote control at the time of POWER ON and OFF of a set.
(Press the [3] key ,[STOP■] key and [POWER] key on the remote controller,
it will become the read-out mode of the error log.)


Press the [3] key ,[STOP■] key
and [power] key on the remote controller.
FL display
ERR INFO
Press the [SKIP I◀◀ ▶▶I] key, Increase and decrease the lower address.
Press the [GULP SKIP I<< >>I] key, Increase and decrease the ten column address.
FL display
address 00
data 01
Starting address is the 00.
byte display.
Press the [3] key ,[STOP■] key
and [power] key on the remote controller.
Normal function display

Example:

Operation	Display	
	address	data
Pressing the ▶▶I key	01	05
Pressing the >>I key	10	21
Pressing the I◀◀ key	0F	11
Pressing the I<< key	00	01
Pressing the I<< key	F0	00

(4) ERROR details

Item		Top address	Low address and contents
SAFETY	Number	00	SAFETY error number (When SAFETY ERROR detecting, main unit is non active.)
			01 DVD4.0V
			02 DVDA6V
			03 VIDEO5V
			04 SW10V
			05 MD5.4V
	AD value	10	AD value at SAFETY error 00 to FF
Timer playback is not starting			
		20	10 DVD,CD NODISC
			11 DVD,CD OPEN
			30 TAPE NONE
			31 TAPE OPEN
			50 MD NODISC
			90 Others
Timer recording is not starting			
		30	10 DVD,CD NODISC
			11 DVD,CD OPEN
			30 TAPE NONE
			31 TAPE OPEN
			32 TAPE REC PROHIBIT (Protect tag damage)
			50 MD NODISC
			51 DISC_PROTECTED
			52 PLAYBACK_MD
			53 DISC_FULL
			54 SCMS_CANNOT_COPY
			55 DIGITAL_IN_UNLOCK
			56 NON_AUDIO_CANNOT_COPY
			57 LOW_TEMP_CANNOT_REC
			90 Others
			When both playback sauce and recording sauce have a factor at the REC start NG, the factor of playback sauce is written in.
			Example) When it records in the state without MD and CD in CD sauce, [10 DVD, CD NODISC] are written in.
Normal recording is not starting			
		40	10 DVD,CD NODISC
			11 DVD,CD OPEN
			30 TAPE NONE
			31 TAPE OPEN
			32 TAPE REC PROHIBIT (Protect tag damage)
			50 MD NODISC
			51 DISC_PROTECTED
			52 PLAYBACK_MD
			53 DISC_FULL
			54 SCMS_CANNOT_COPY
			55 DIGITAL_IN_UNLOCK
			56 NON_AUDIO_CANNOT_COPY
			57 LOW_TEMP_CANNOT_REC
			90 Others
			When both playback sauce and recording sauce have a factor at the REC start NG, the factor of playback sauce is written in.
			Example) When it records in the state without MD and CD in CD sauce, [10 DVD, CD NODISC] are written in.

Item	Top Address	low address and contents	
Time out of power OFF process			
	50	10	DVD,CD TIMEOUT
		50	MD TIMEOUT
		70	MECHA CLOSE TIMEOUT
		90	Others
Error with DVD			
	70	70	MECHA CLOSE TIMEOUT
		71	MECHA OPEN TIMEOUTMD
Error with MD			
	80	61	TRACK_PROTECTED
		62	CANNOT_JOIN
		63	(Reserve)
		68	CANNOT_TITLE
		69	GROUP_FULL
		6A	GROUP_FULL
		6B	GROUP_TRACK
		6C	CANNOT_FORM
		6D	CANNOT_ENTRY
		81	LOAD_ERROR
		82	MD_NO_DISC
		83	READ_ERROR
		84	EMERGENCY STOP
Error with TAPE			
	90	10	INITIALIZE ERROR (When initialization retries, it writes in only once.)
When starting of power OFF process			
	A0	10	NORMAL
		20	AUTO STANDBY
		30	SLEEP
		40	TIMER

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB496)

Printed in Japan
VPT

JVC

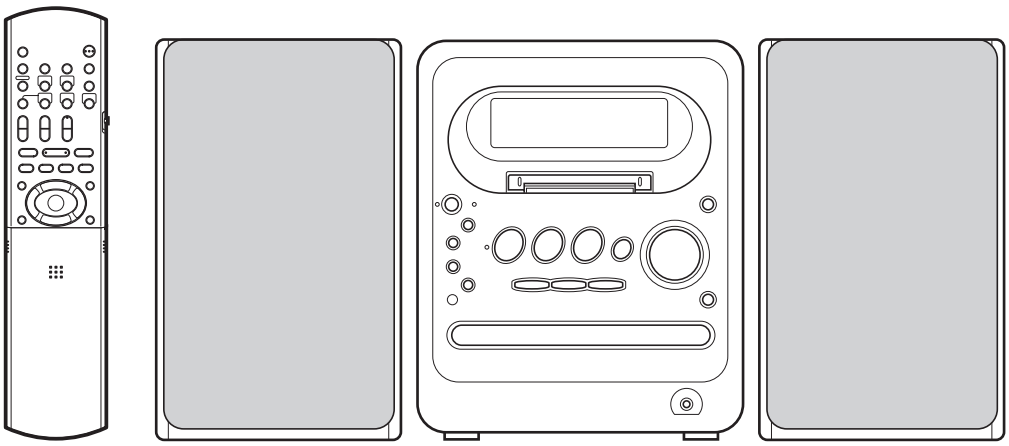
SCHEMATIC DIAGRAMS

MICRO COMPONENT MD SYSTEM

UX-QD70S,UX-QD70W

CD-ROM No.SML200512

Area suffix
UB ---------- Hong Kong



(SP-UXK30S)
(SP-UXK30W)

(CA-UXQD70S)
(CA-UXQD70W)

(SP-UXK30S)
(SP-UXK30W)

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagrams ---------- 2-1
Standard schematic diagrams ---------- 2-2
Printed circuit boards ---------- 2-11 to 15

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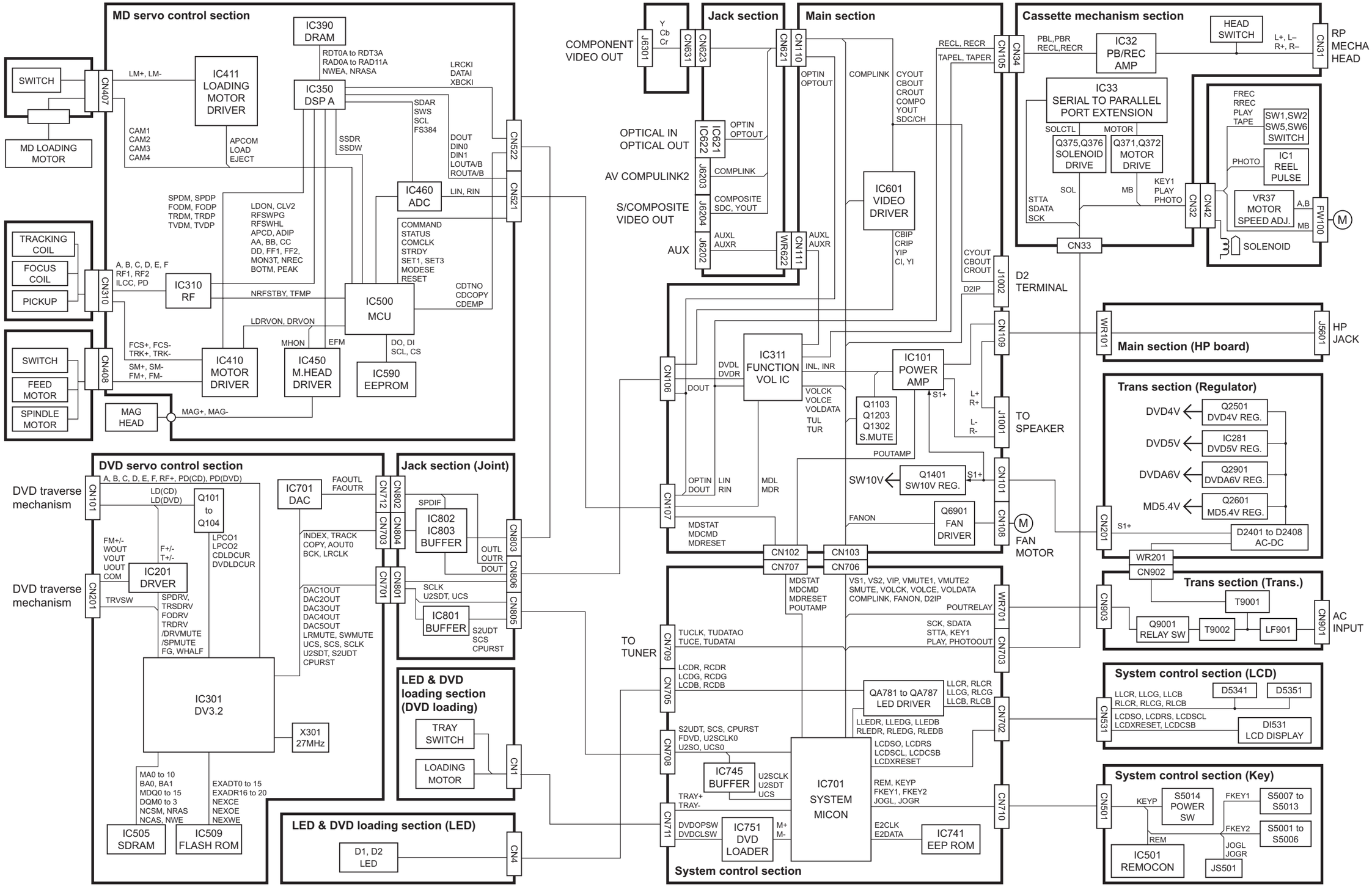
No.MB496SCH
2005/12

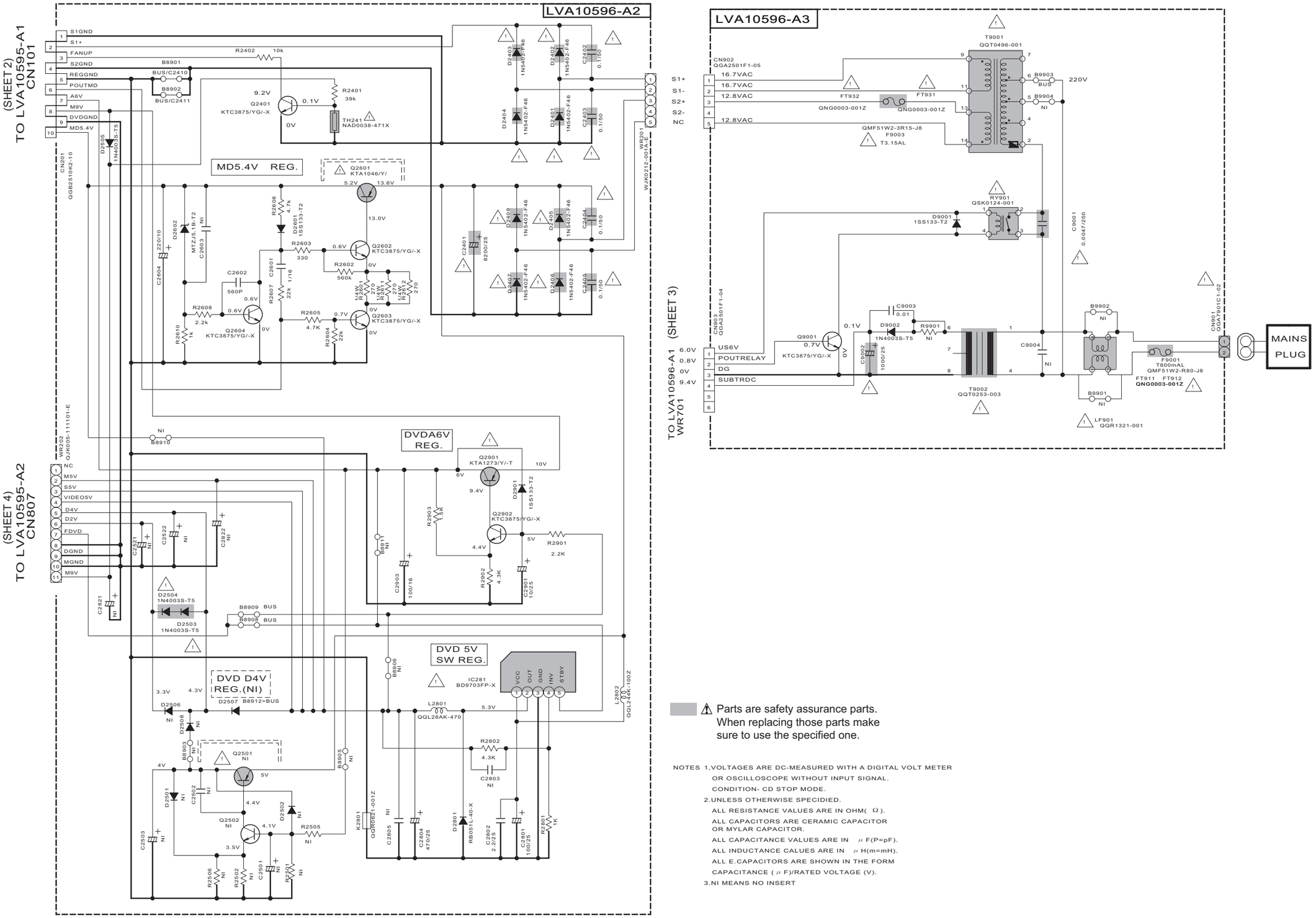
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.

Block diagram



Standard schematic diagrams

■ Transformer section

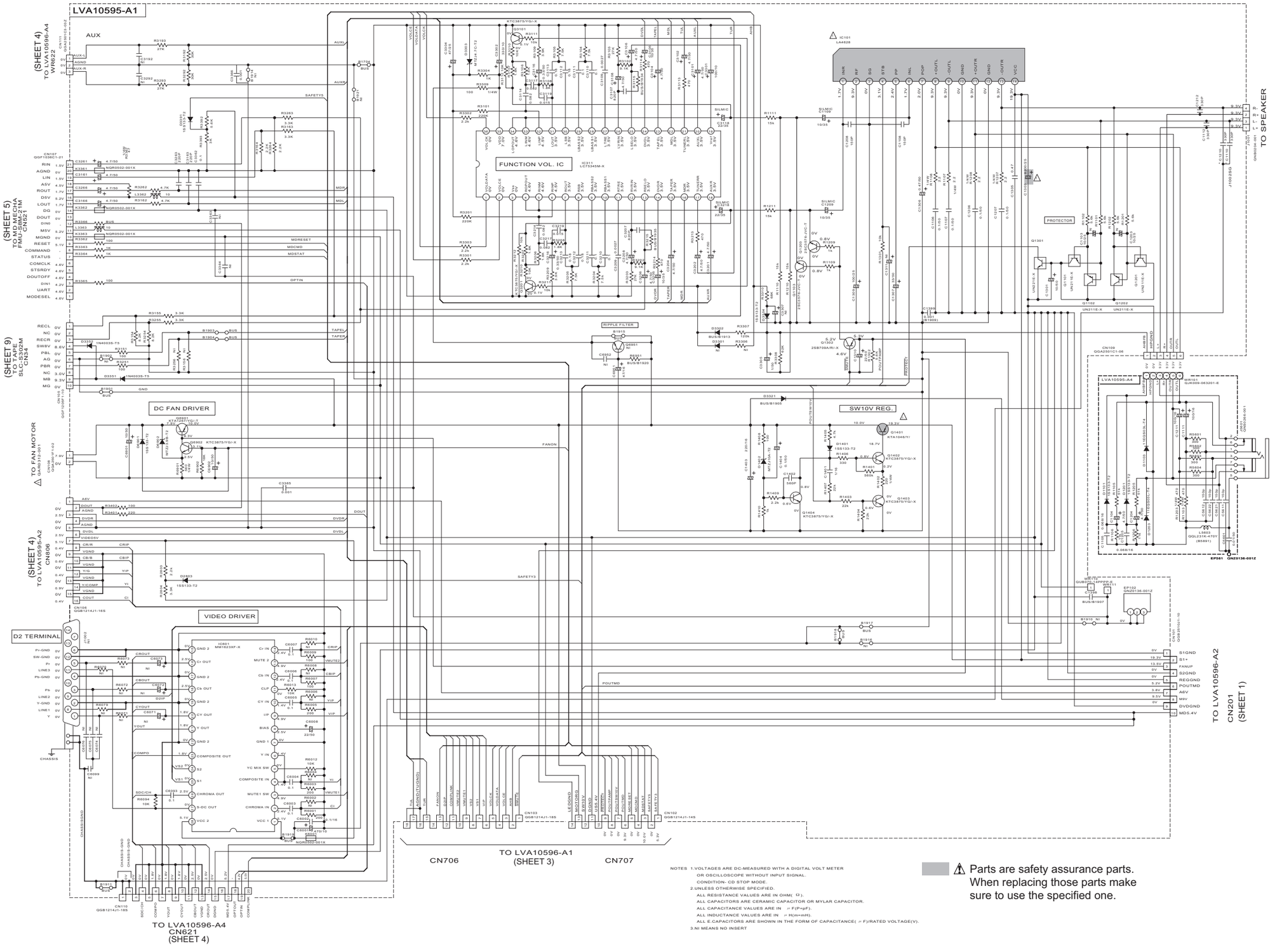


⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

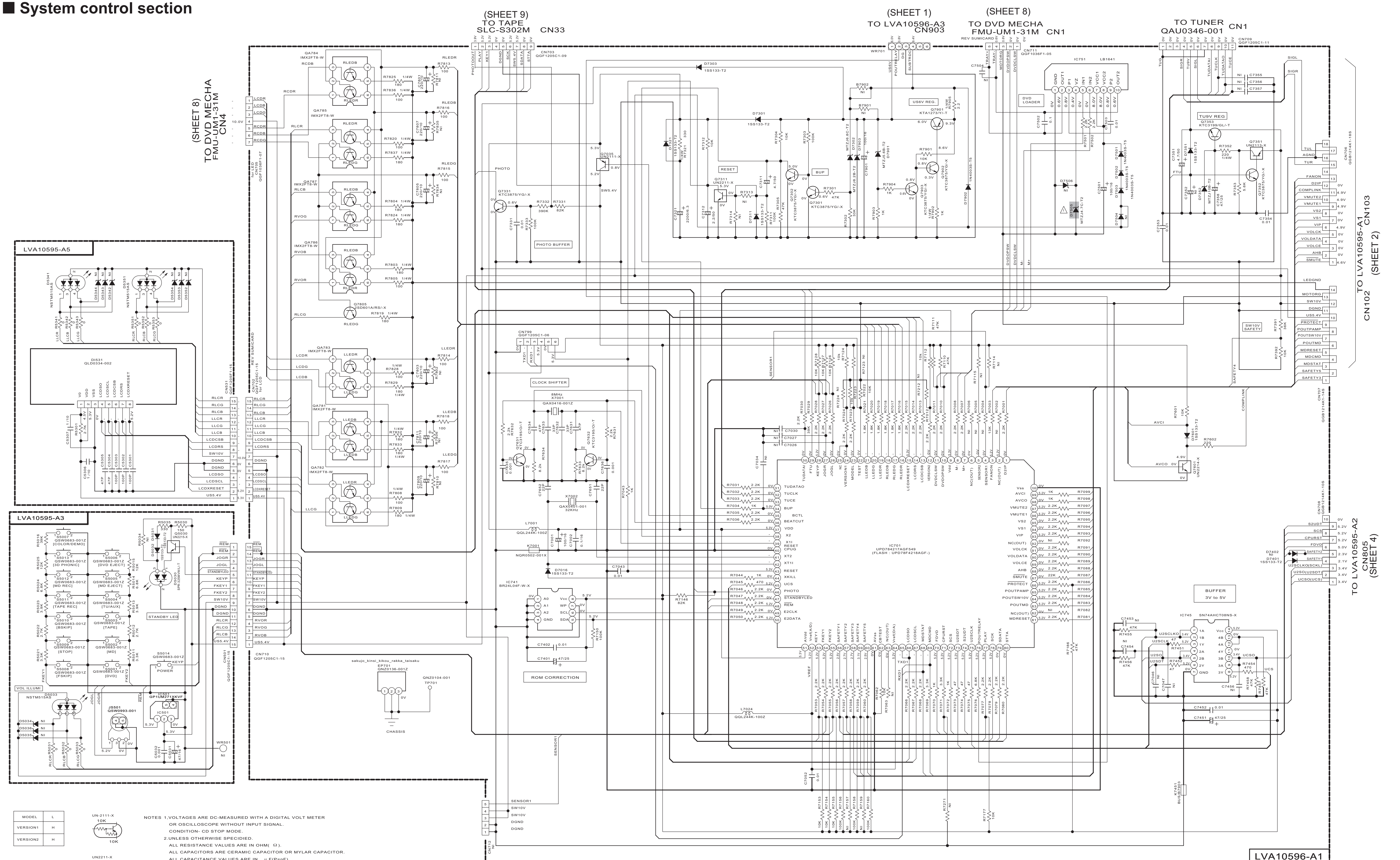
NOTES 1,VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION- CD STOP MODE.
2.UNLESS OTHERWISE SPECIDIED.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL INDUCTANCE CALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM
CAPACITANCE (μF)/RATED VOLTAGE (V).
3.NI MEANS NO INSERT

SHEET 1

■ Main section



■ System control section



MODEL	L
VERSION1	H
VERSION2	H

UN-2111-X

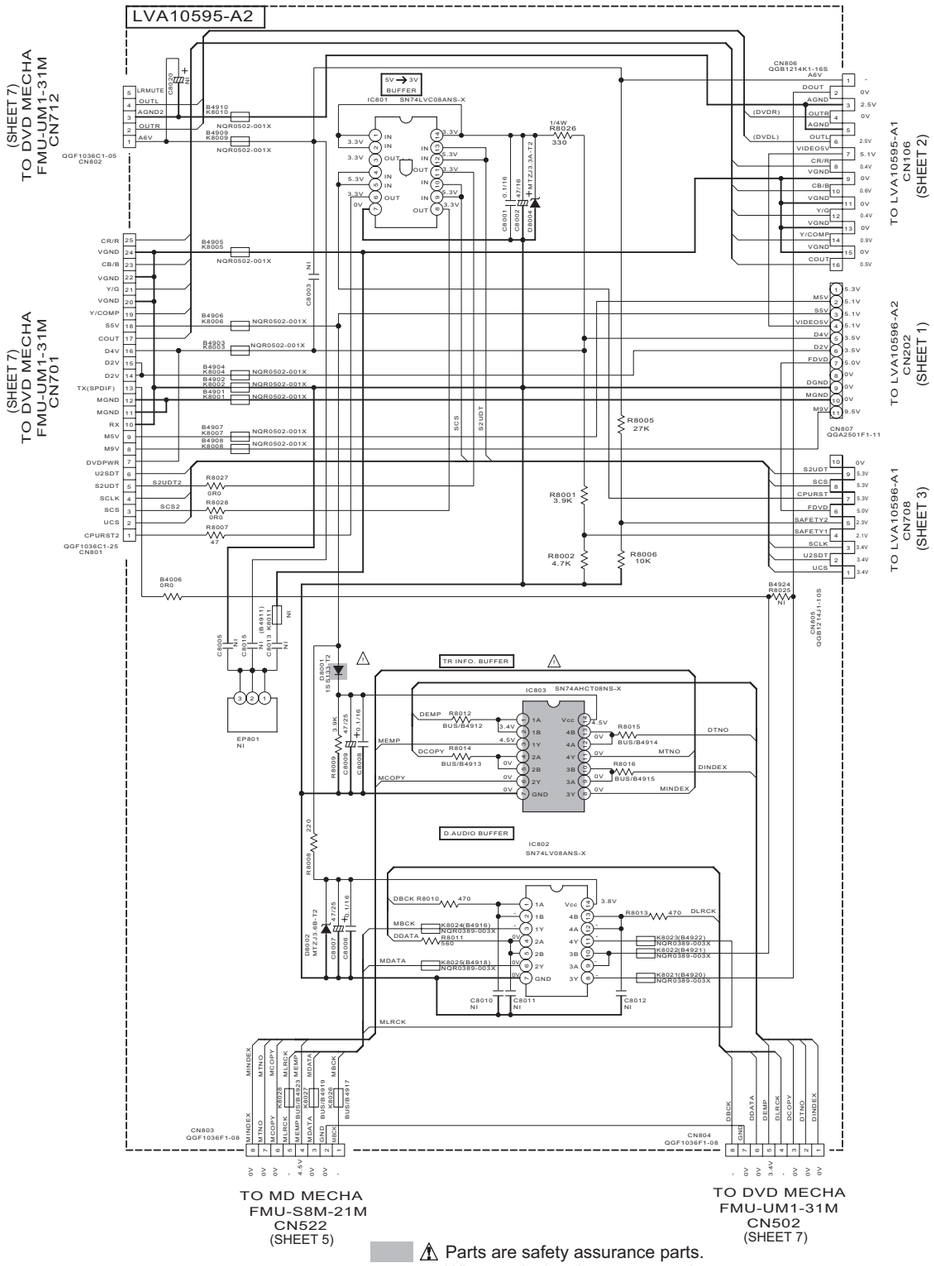
UN2211-X

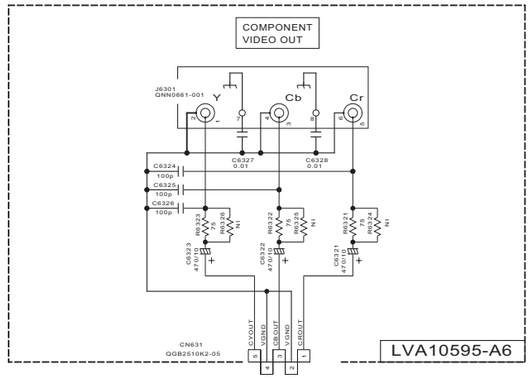
NOTES 1,VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION- CD STOP MODE.
2.UNLESS OTHERWISE SPECIDIED.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL INDUCTANCE CALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF
CAPACITANCE (μF)/RATED VOLTAGE (V).
3.NI MEANS NO INSERT

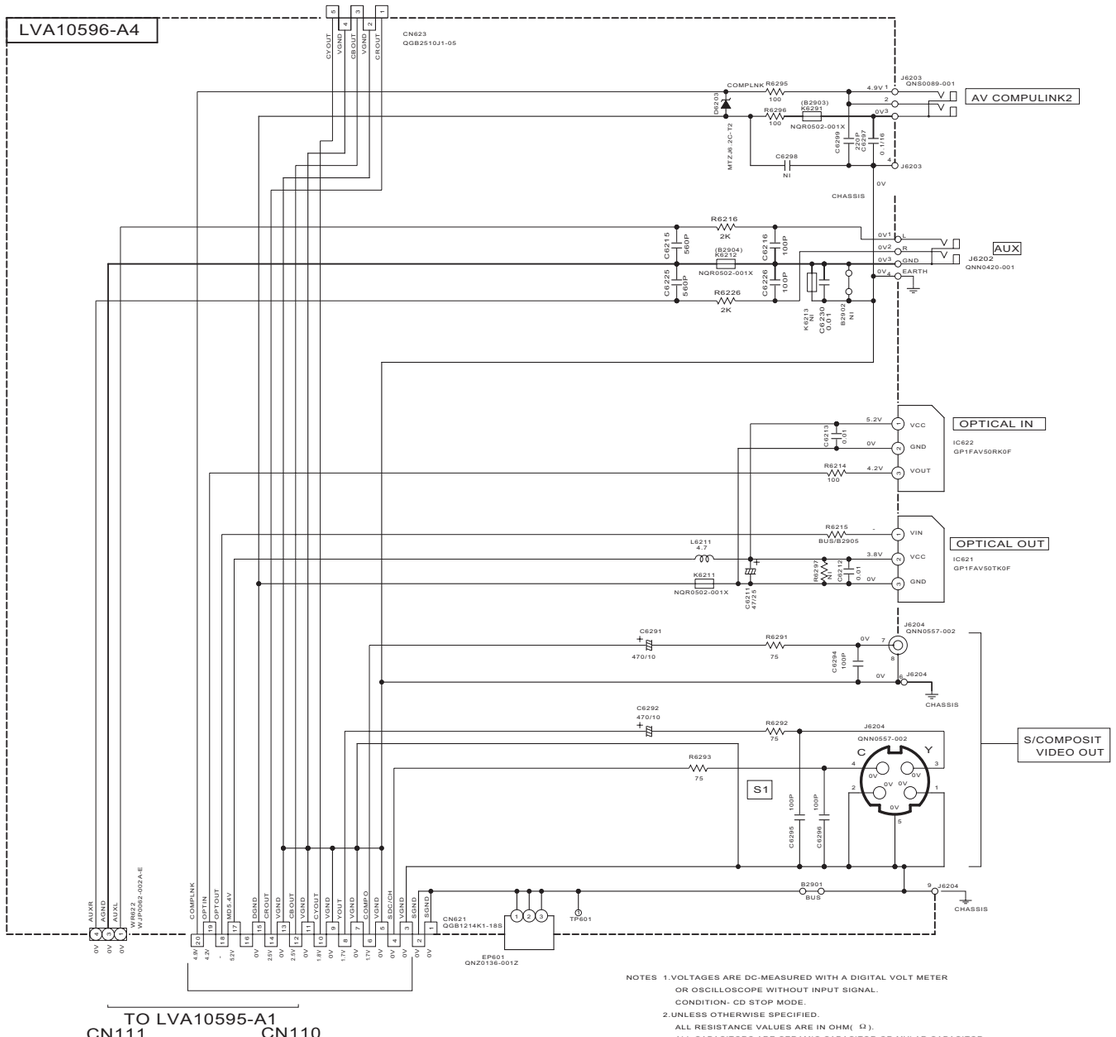
⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

SHEET 3

■ Jack section



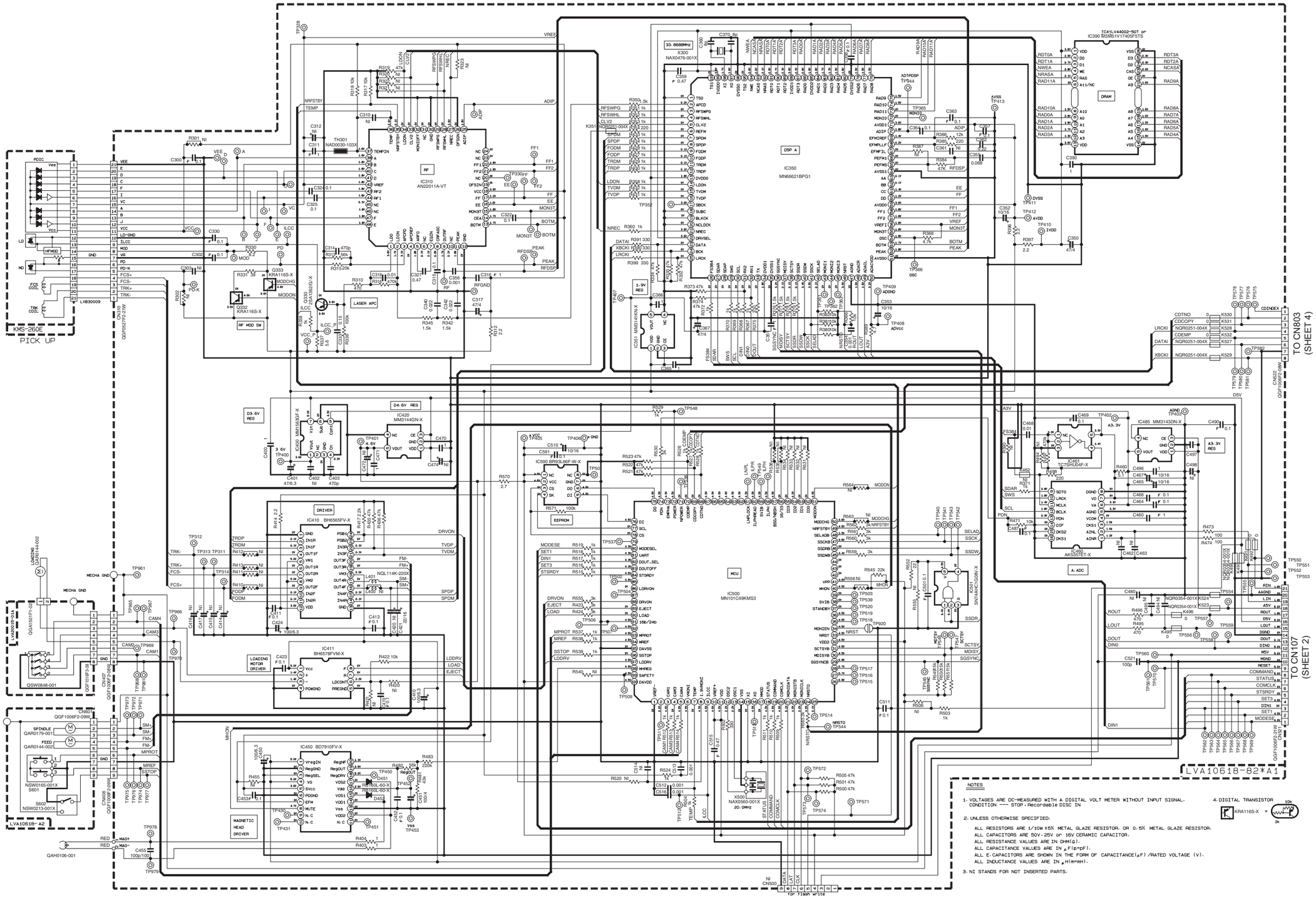




⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

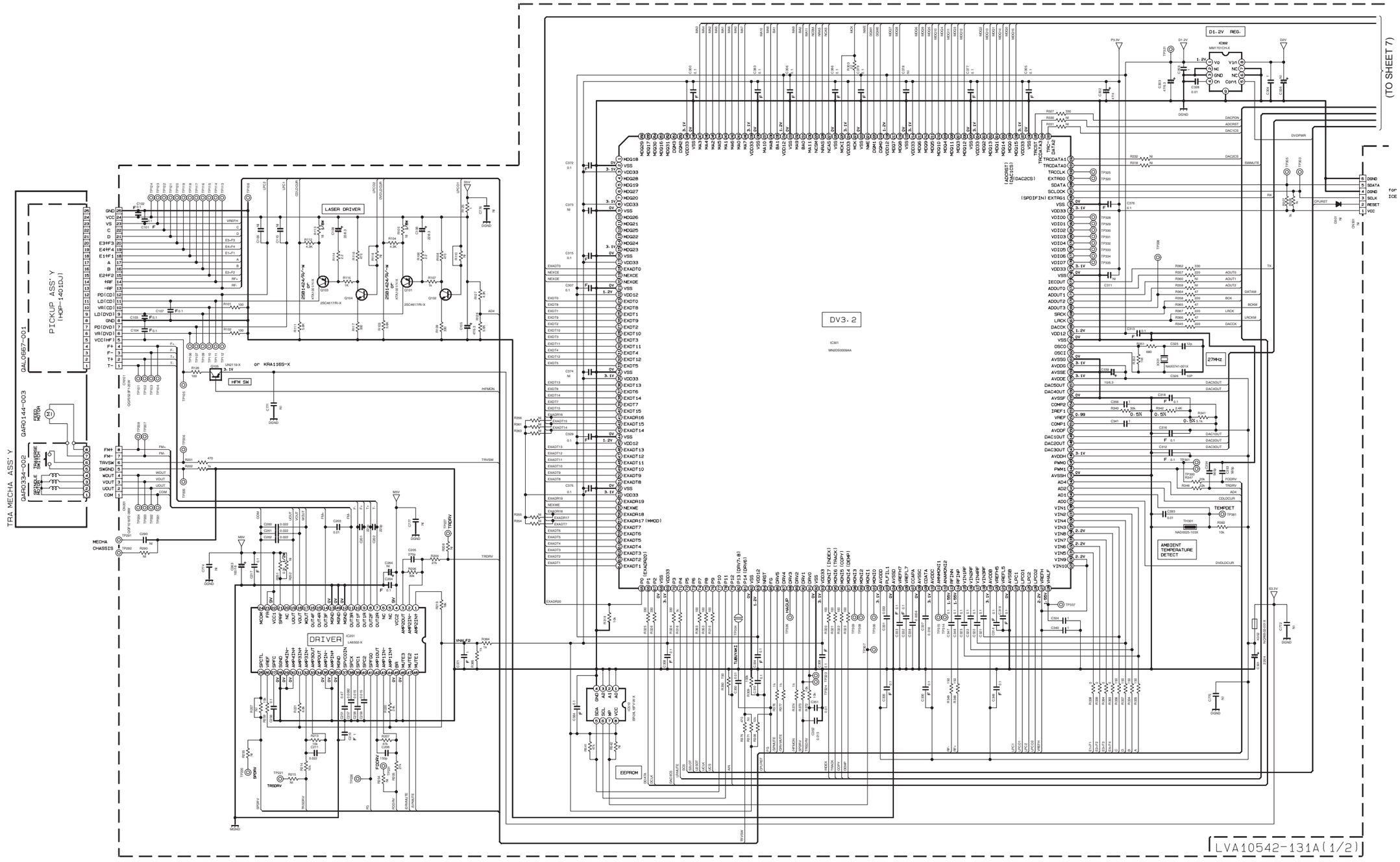
NOTES 1.VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION- CD STOP MODE.
2.UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).
3.NI MEANS NO INSERT

■ MD servo control section



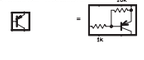
SHEET 5

■ DVD servo control section (1/2)

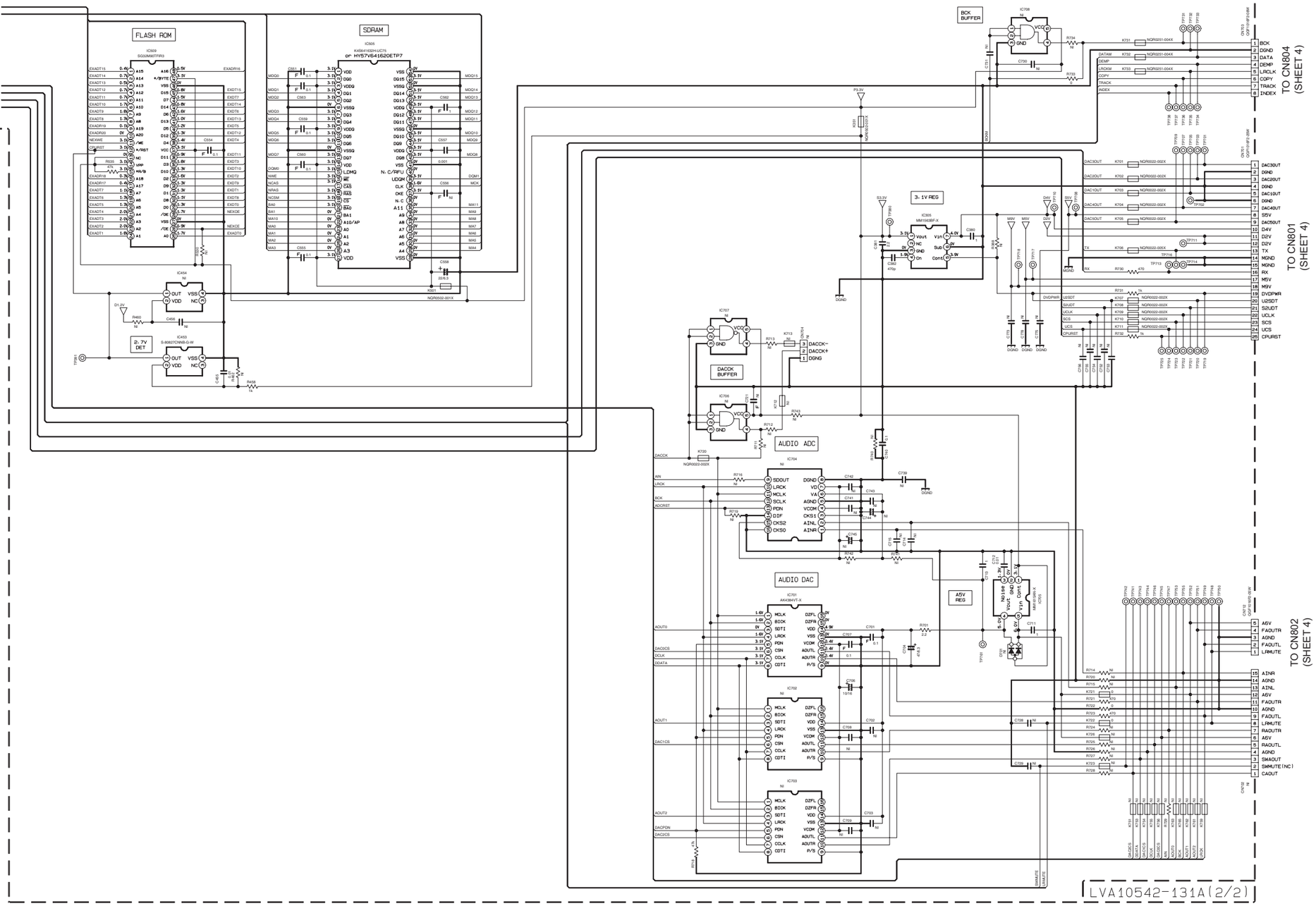


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION ——— DVD STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(n=nH).
3. NI STANDS FOR NOT INSERTED PARTS.
4. DIGITAL TRANSISTOR



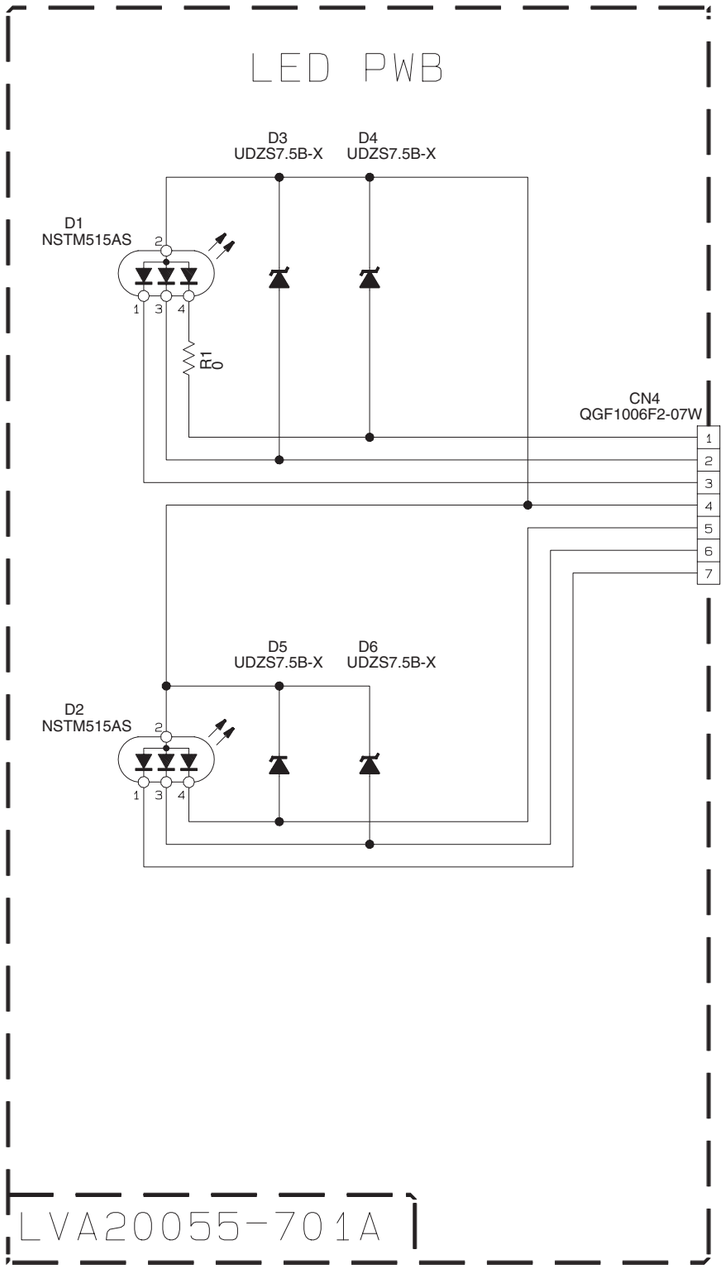
■ DVD servo control section (2/2)

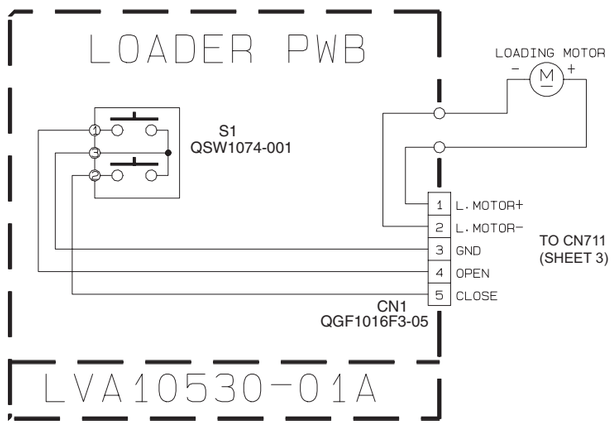


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION ---- DVD STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN Ω=Ω(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
3. NI STANDS FOR NOT INSERTED PARTS.

■ LED & DVD loading section

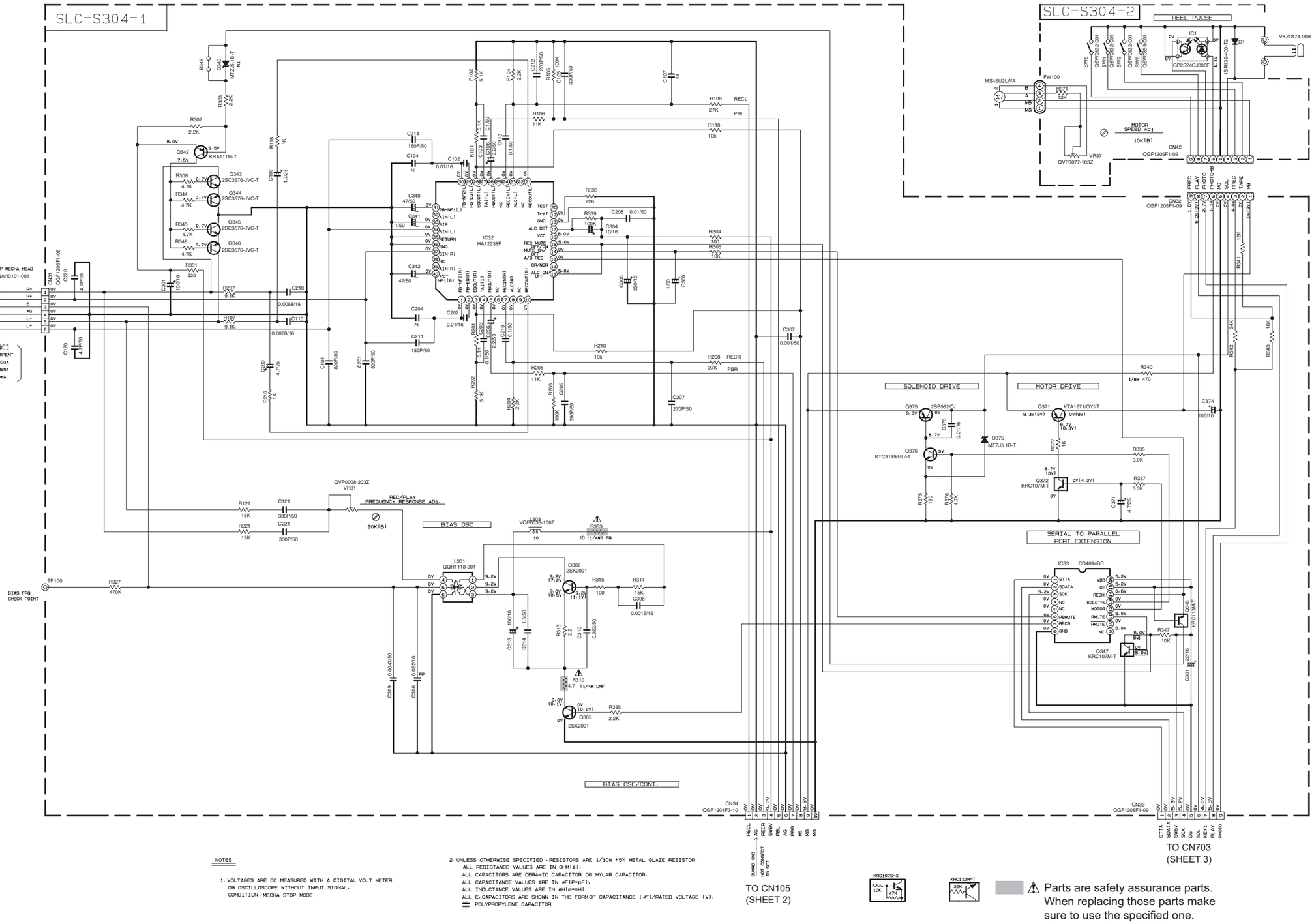




NOTES

ALL RESISTOR ARE 1/16W ± 5% METAL GLAZE RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).

■ Cassette mechanism section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION : MECHA STOP MODE

2. UNLESS OTHERWISE SPECIFIED · RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN #F(P=pF).
   ALL INDUCTANCE VALUES ARE IN #H(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V).
   POLYPROPYLENE CAPACITOR

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

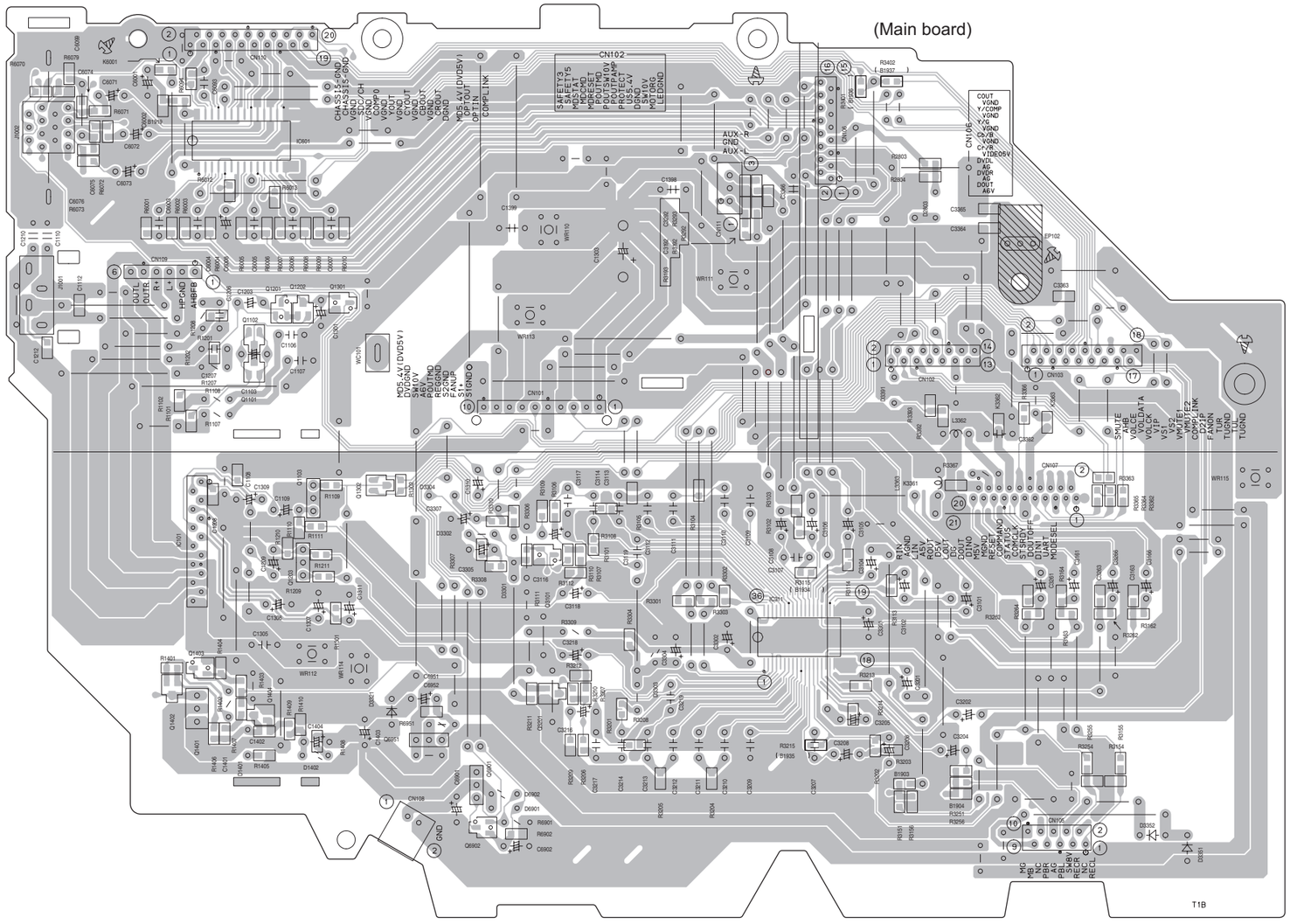
SHEET 9

Printed circuit boards

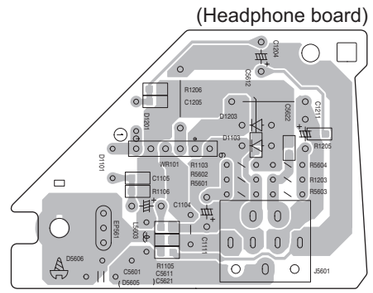
■ Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

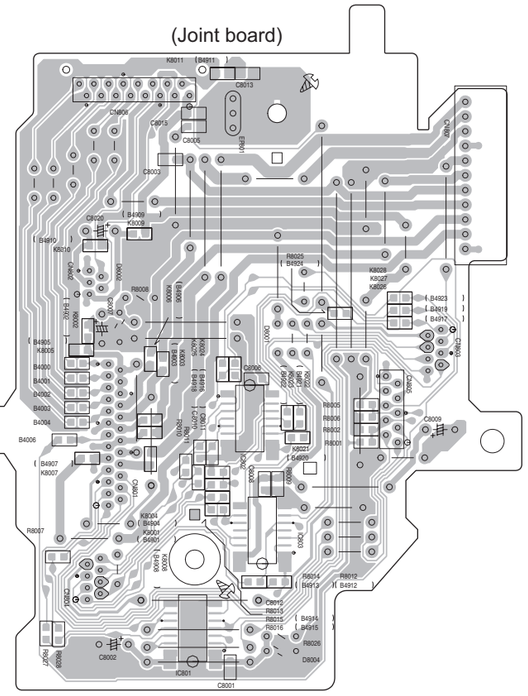
(Main board)



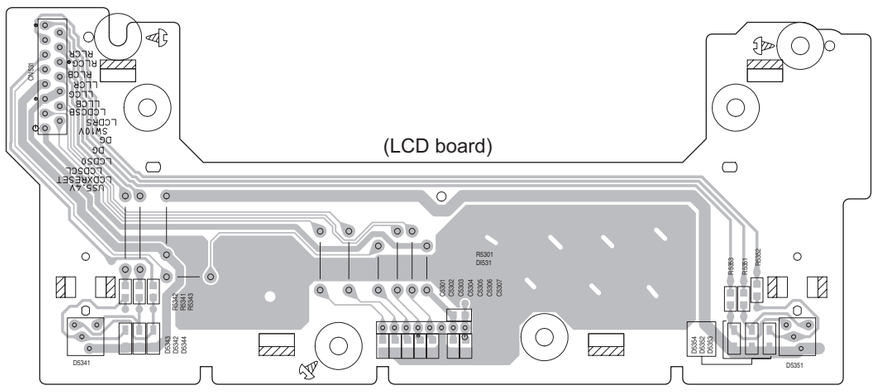
(Headphone board)



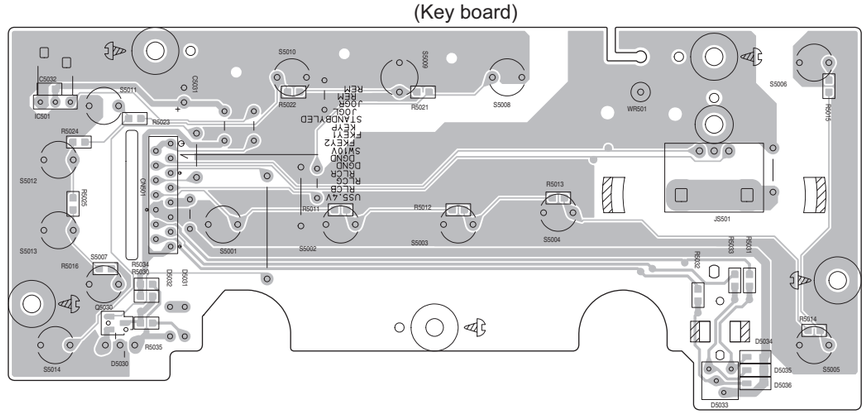
(Joint board)



(LCD board)



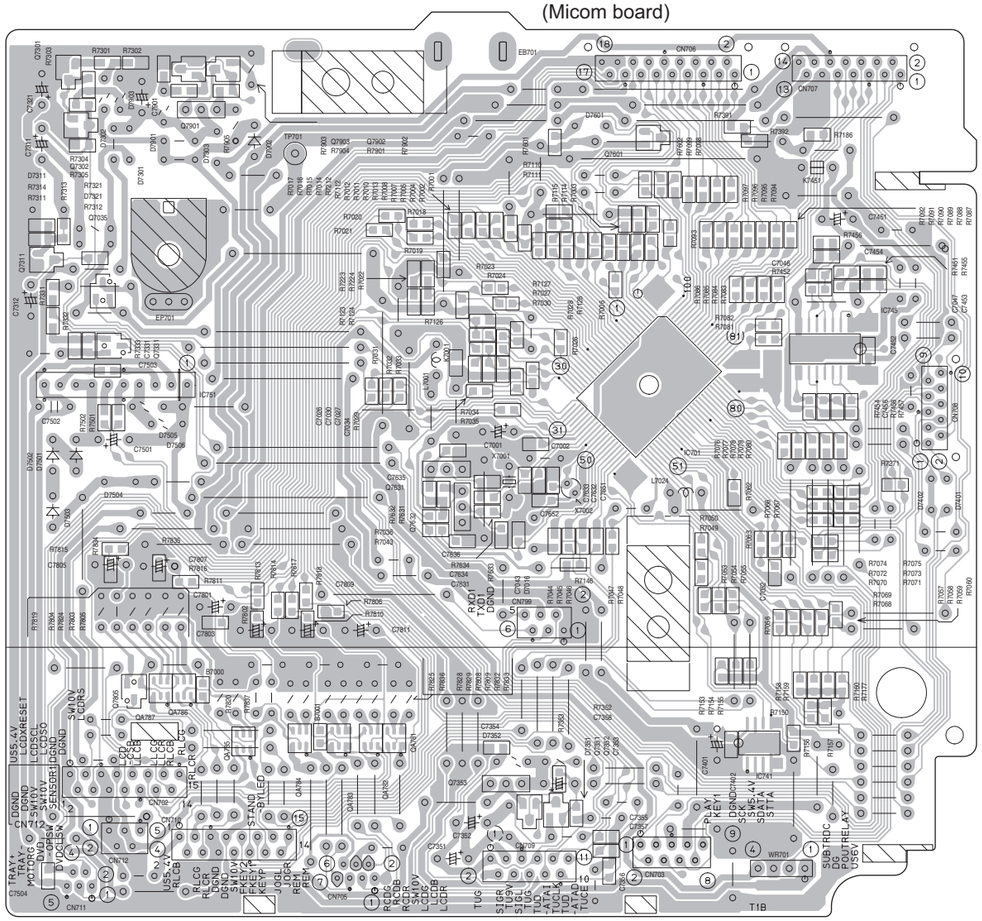
(Key board)



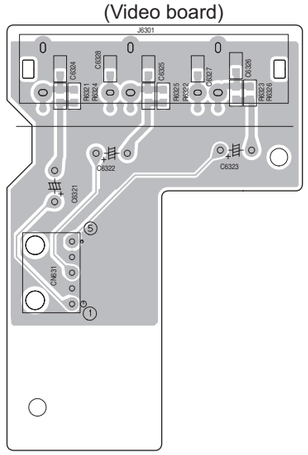
■ Micom board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

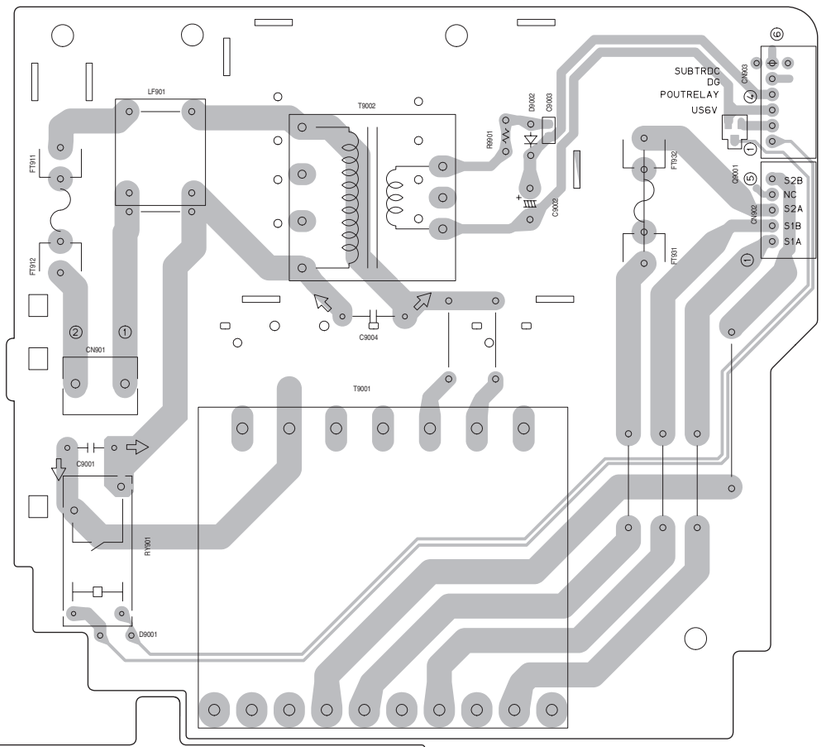
(Micom board)



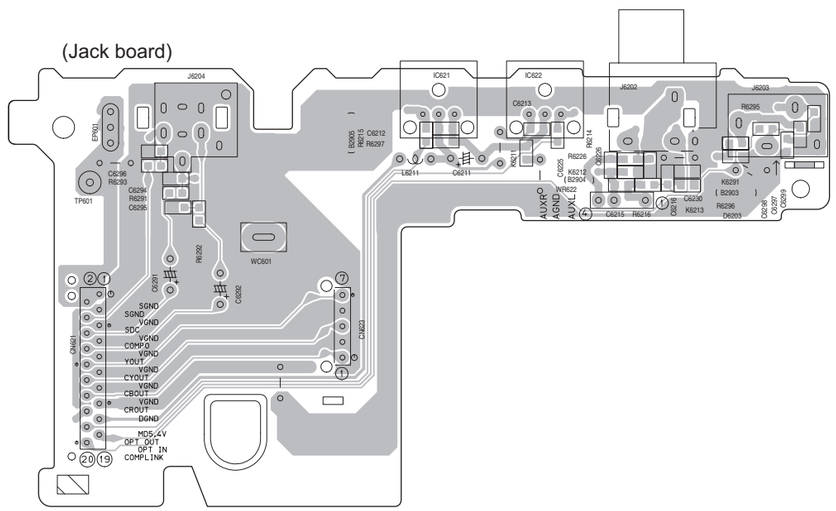
(Video board)



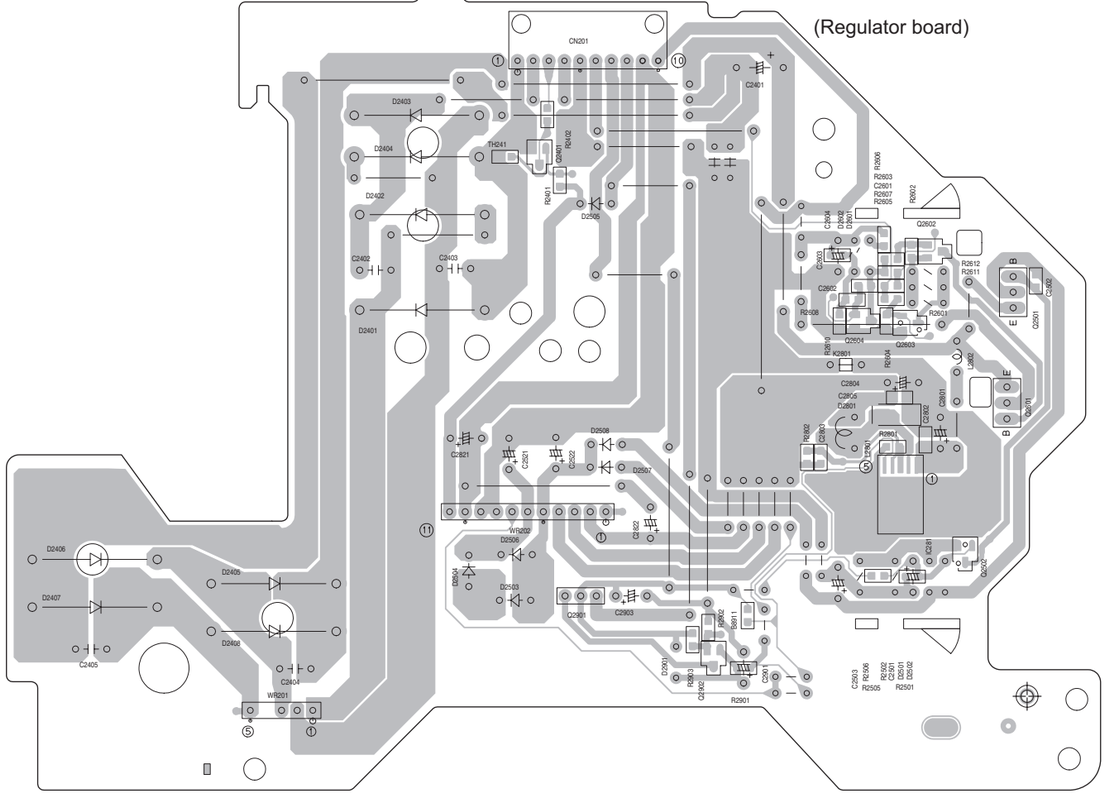
(Transformer board)



(Jack board)



(Regulator board)

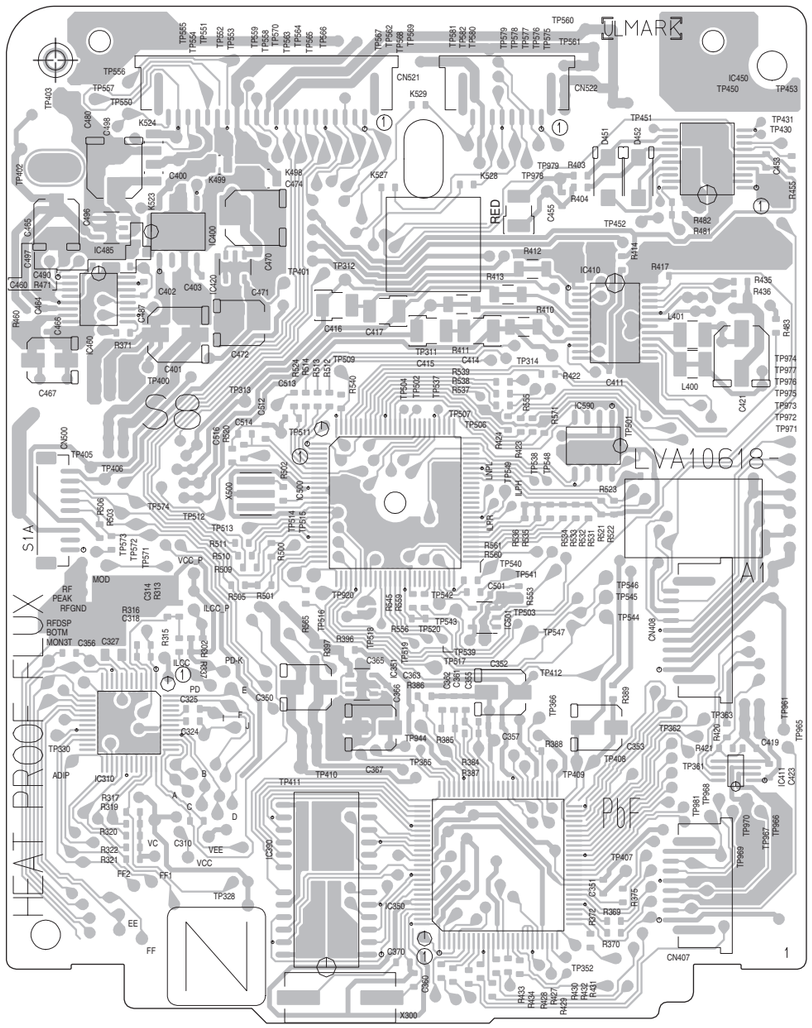


■ MD servo control board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side

(MD servo control board)

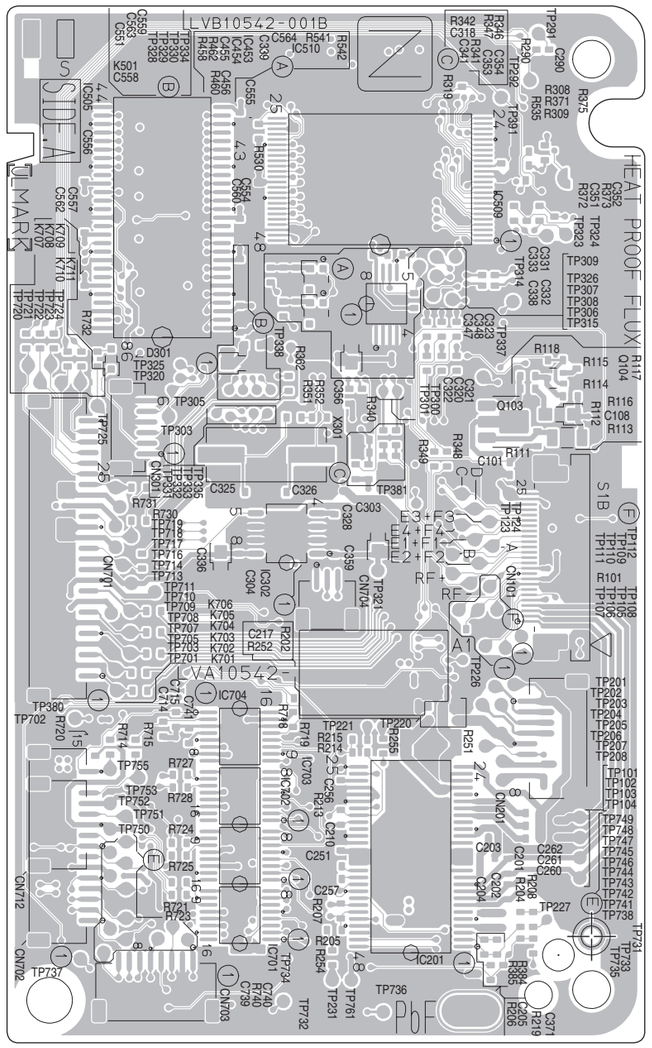


■ DVD servo control board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

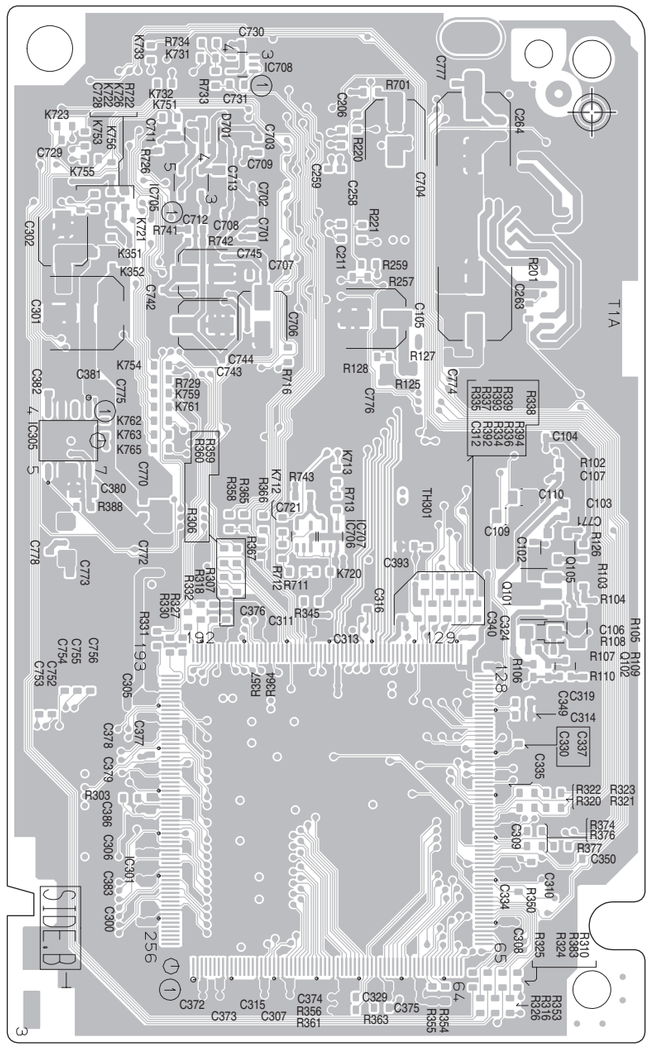
Forward side

(DVD servo control board)



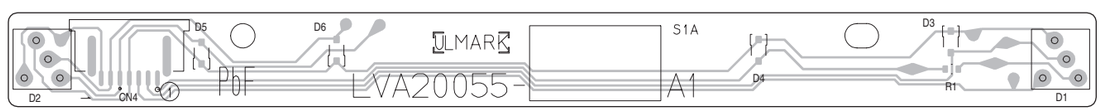
Reverse side

(DVD servo control board)



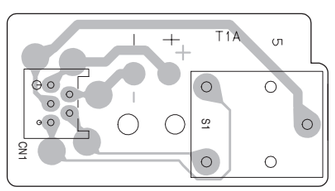
■ LED board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



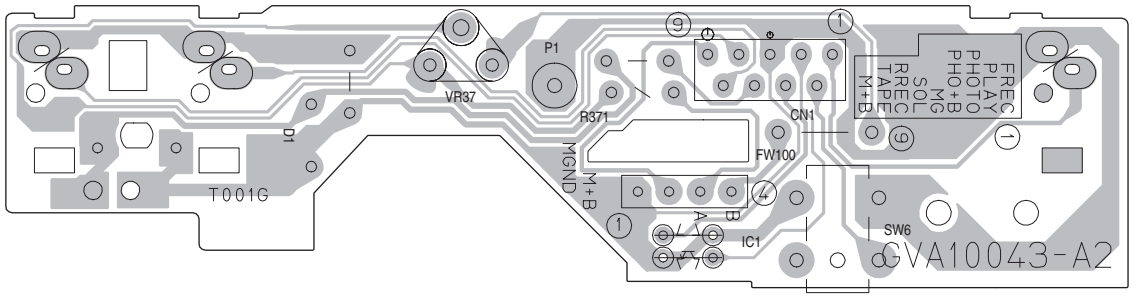
■ DVD loading switch board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



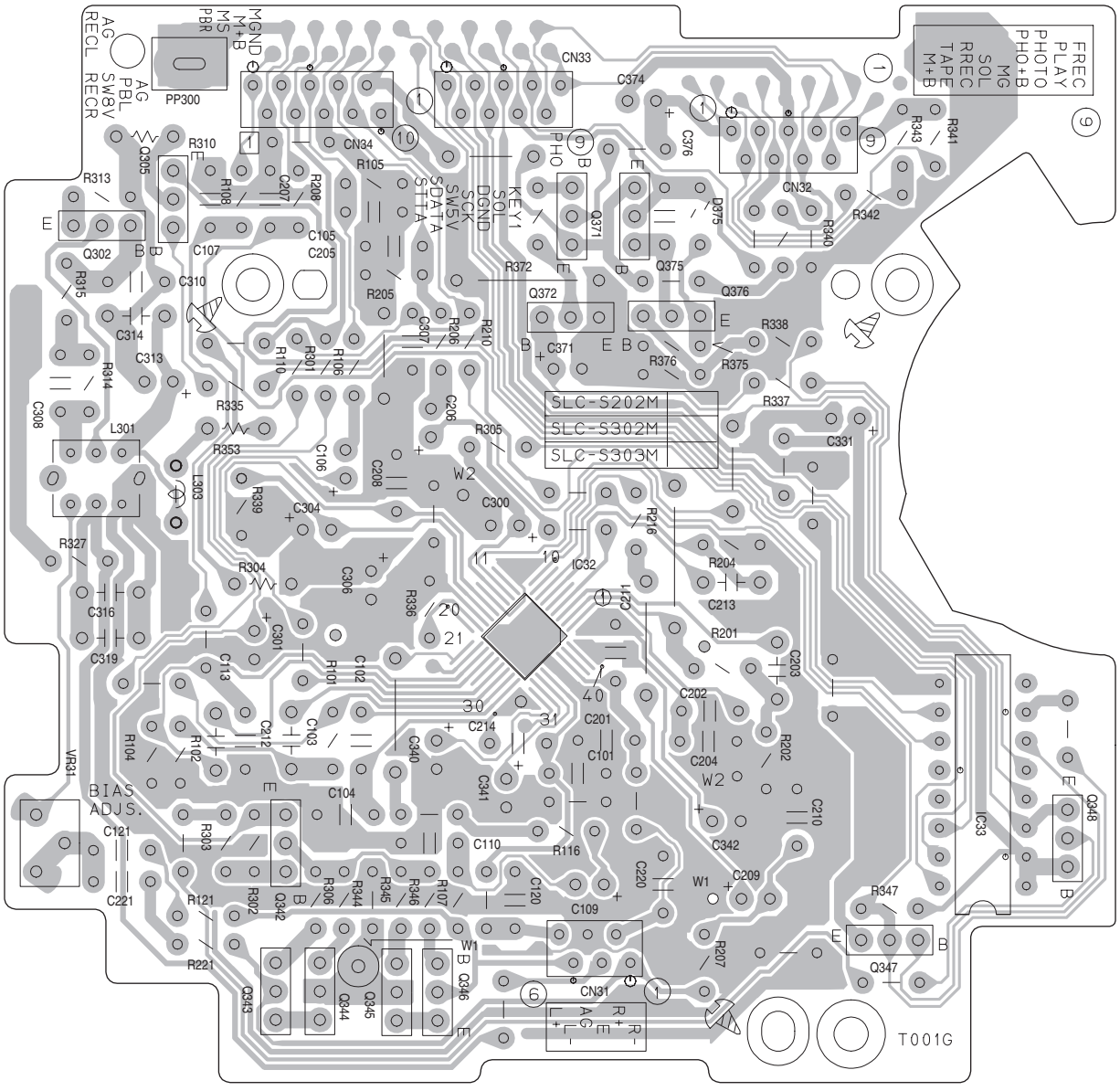
■ Cassette switch board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



■ Head amplifier board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB496SCH)

Printed in Japan
VPT

PARTS LIST

[UX-QD70S] [UX-QD70W]

* All printed circuit boards and its assemblies are not available as service parts.

UX-QD70S, UX-QD70W
Area suffix UB ---------- Hong Kong

- Contents -

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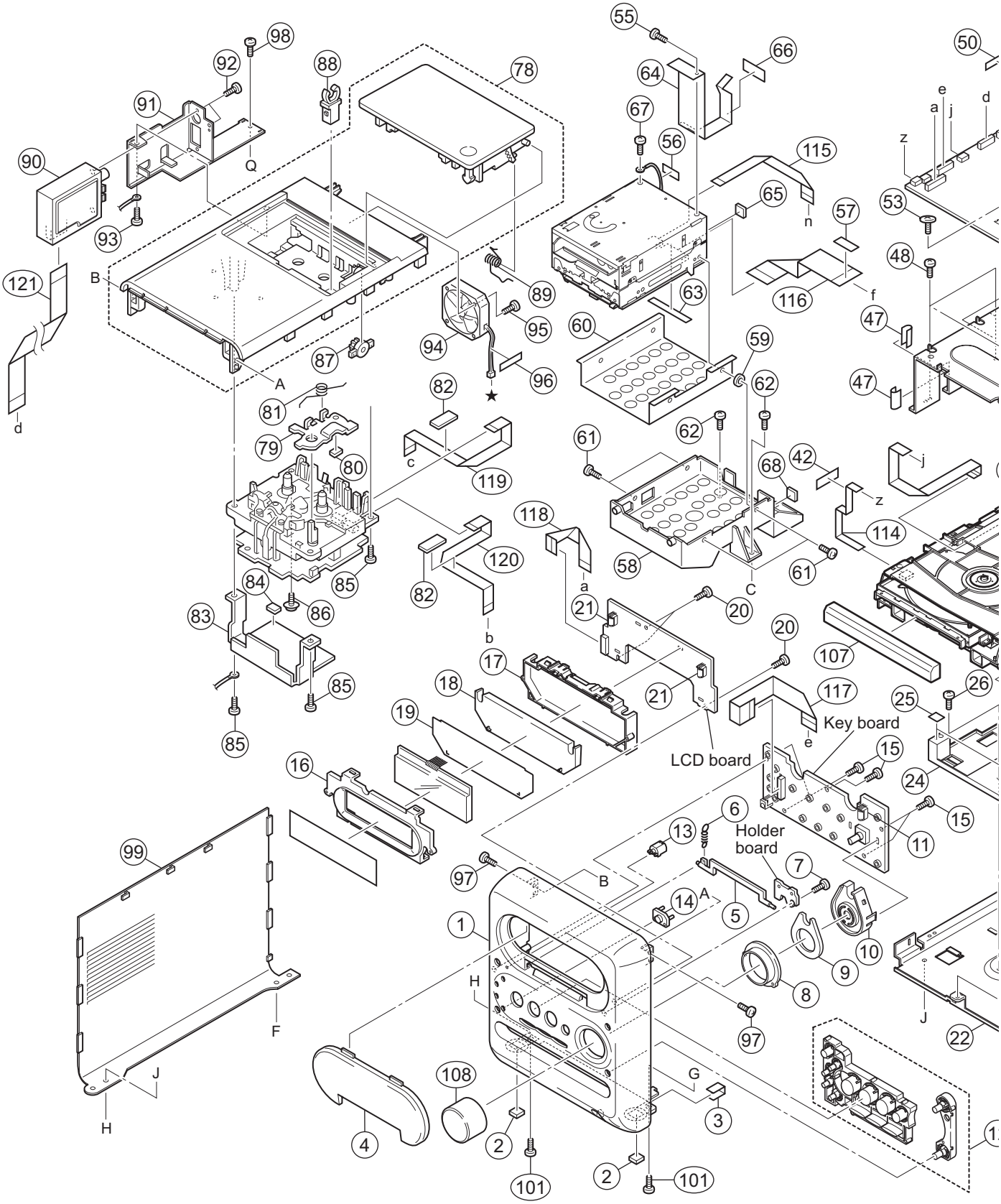
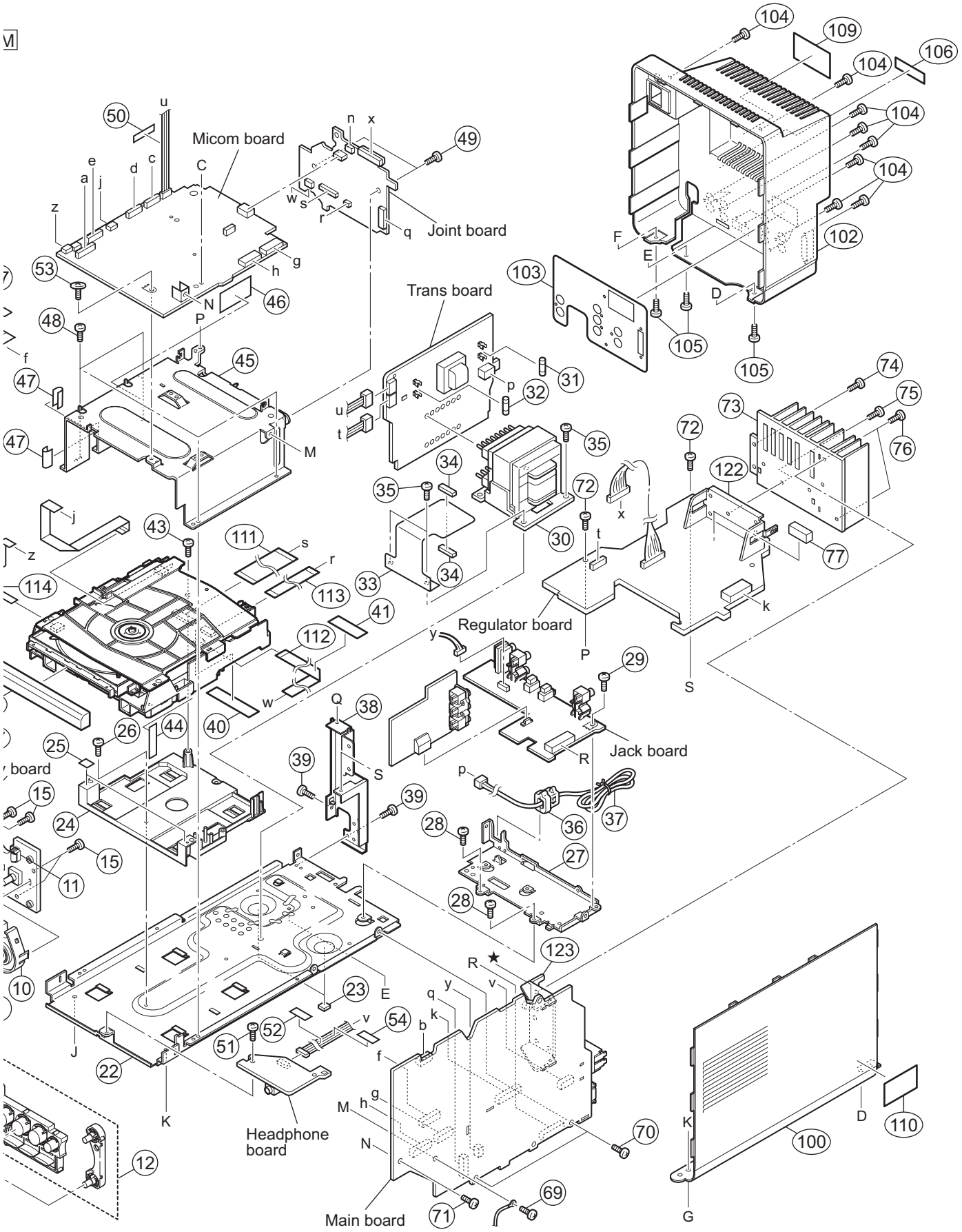
Exploded view of general assembly and parts list

Block No. M 1 M M




Micom board
Joint board
Trans board
Regulator board
Jack board
Headphone board
Main board

General Assembly

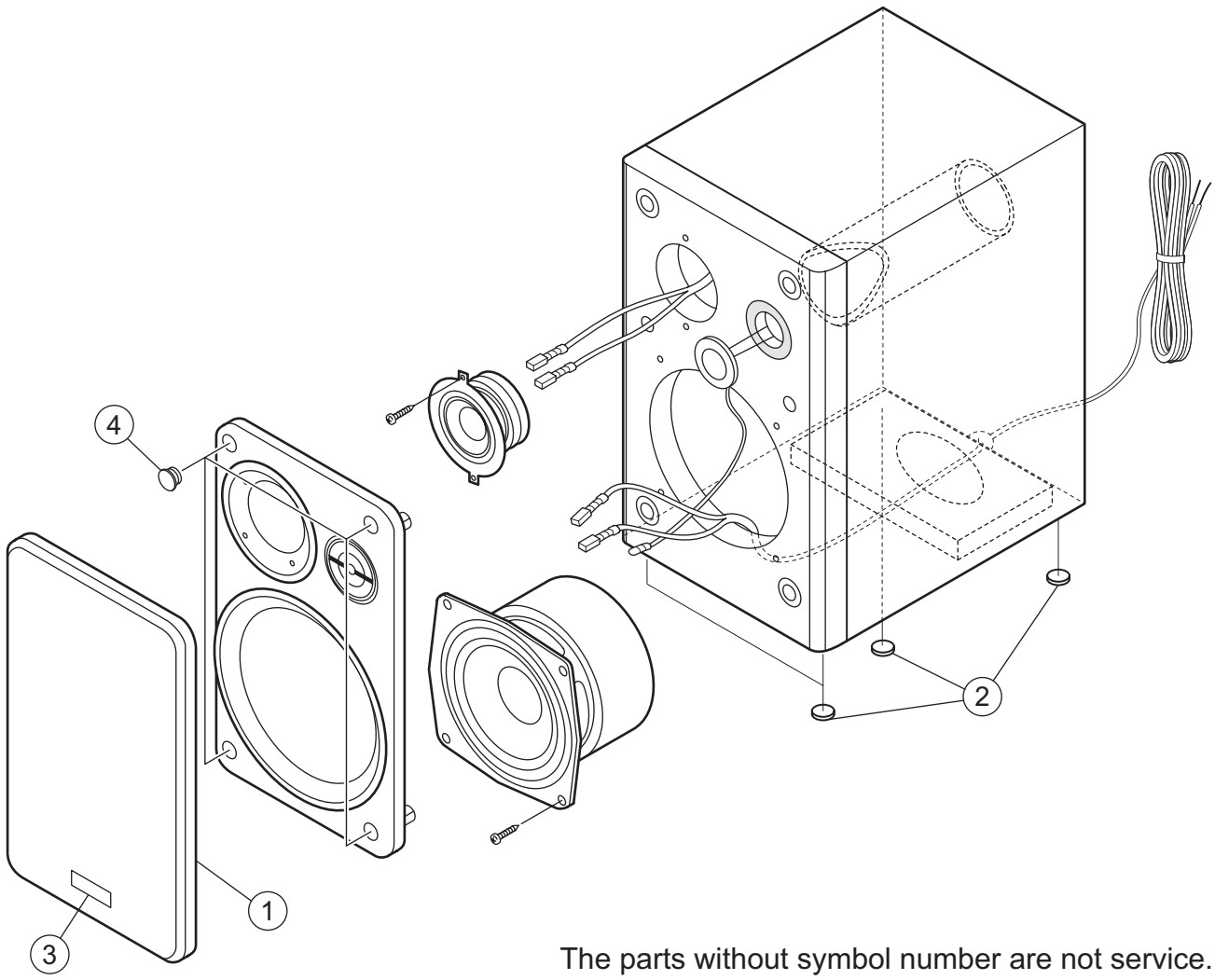
Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV11119-010A	FRONT PANEL		S
	1	LV11119-011A	FRONT PANEL		W
	2	LV40301-002A	FELT SPACER	(x2)	
	3	LV30225-011A	SPACER	(x2)	
	4	LV22047-004A	FRONT LENS		S
	4	LV22047-005A	FRONT LENS		W
	5	GV30489-003A	MD LID		S
	5	GV30489-004A	MD LID		W
	6	LV43984-001A	SPRING		
	7	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	8	LV36026-001A	VOL.RING		
	9	LV44257-001A	LIGHT GUIDE(B)		
	10	LV36027-001A	RING CASE		
	11	LV44249-001A	LED HOLDER		
	12	LV22048-007A	MAIN BUTTON		
	13	LV44251-001A	POWER INDICATOR		
	14	LV44252-002A	REMOTE LENS		
	15	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x5)	
	16	LV36028-002A	LENS COVER		
	17	LV36029-001A	LCD HOLDER		
	18	LV36030-002A	LIGHT GUIDE(A)		
	19	LV44253-002A	LCD SHEET		
	20	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x3)	
	21	LV44249-001A	LED HOLDER	(x2)	
	22	LV11120-006A	BOTTOM CHASSIS		
	23	LV40301-002A	FELT SPACER	(x2)	
	24	LV21582-003A	MECHA HOLDER		
	25	LV30225-0X8A	SPACER	(x2)	
	26	QYSDST3006ZA	TAP SCREW	M3 x 6mm	
	27	LV36036-001A	JACK BKT		
	28	QYSDST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	29	QYSDST3006ZA	TAP SCREW	M3 x 6mm	
	30	QQT0496-001	POWER TRANSF		
⚠	31	QMF51W2-R80-J8	FUSE	0.8A AC250V	
⚠	32	QMF51W2-3R15-J8	FUSE	3.15A AC250V	
	33	LV34403-001A	TRANS SHIELD		
	34	LV30225-0R3A	SPACER	(x2)	
	35	QYSDST3006EA	TAP SCREW	M3 x 6mm(x3)	
⚠	36	QZW0033-001	STRAIN RELIEF		
⚠	37	QMPN160-200-JD	POWER CORD(EK)	2m BLACK	
	38	LV35064-001A	HEAT SINK BKT		
	39	QYSDST3006EA	TAP SCREW	M3 x 6mm(x2)	
	40	LV30225-0M7A	SPACER		
	41	LV30225-011A	SPACER		
	42	LV30225-011A	SPACER		
	43	QYSBSF3010ZA	TAP SCREW	M3 x 10mm	
	44	LV30225-011A	SPACER		
	45	LV22049-002A	CD MECHA BKT		
	46	LV42035-002A	LASER CAUTION		
	47	LV30225-011A	SPACER	(x2)	
	48	QYSDST3006EA	TAP SCREW	M3 x 6mm(x4)	
	49	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x2)	
	50	LV30225-011A	SPACER		
	51	QYSDST3006ZA	TAP SCREW	M3 x 6mm	
	52	LV30225-011A	SPACER		
	53	LV42919-002A	TAPPING SCREW		
	54	LV30225-011A	SPACER		
	55	QYSBST3008EA	TAP SCREW	M3 x 8mm	
	56	LV30225-011A	SPACER		
	57	LV30225-011A	SPACER		
	58	LV22050-001A	MD HOLDER		
	59	LV30226-042A	SPACER		
	60	LV36033-001A	SHIELD(MD)		
	61	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	62	QYSBSG3008EA	TAP SCREW	M3 x 8mm(x2)	
	63	LV30225-0M7A	SPACER		
	64	LV44530-001A	WIRE SHEILD(B)		
	65	VYSH101-009	SPACER		
	66	LV30225-0M5A	SPACER		
	67	QYSBST3008EA	TAP SCREW	M3 x 8mm	
	68	VYSH101-009	SPACER		
	69	QYSBSG3008EA	TAP SCREW	M3 x 8mm	
	70	QYSBSG3008EA	TAP SCREW	M3 x 8mm(x2)	
	71	QYSBSG3008EA	TAP SCREW	M3 x 8mm	

⚠	Symbol No.	Part No.	Part Name	Description	Local
	72	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	73	LV36035-002A	HEAT SINK(B)		
	74	QYSBSG3014EA	TAP SCREW	M3 x 14mm	
	75	QYSBSG3014EA	TAP SCREW	M3 x 14mm	
	76	QYSBSG3014EA	TAP SCREW	M3 x 14mm(x2)	
	77	LV30225-0V8A	SPACER		
	78	LV21844-017A	TOP COVER ASSY		S
	78	LV21844-018A	TOP COVER ASSY		W
	79	VKL7850-003	EJECT SAFETY		
	80	LV30225-0G9A	SPACER		
	81	VKW5258-003	TORSION SPRING		
	82	LV30225-0D8A	SPACER	(x2)	
	83	LV34035-001A	SHIELD		
	84	LV30225-0J1A	SPACER		
	85	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x3)	
	86	E65923-009	TAPPING SCREW		
	87	GV40034-001A	DAMPER ASSY.		
	88	GV40220-001A	LACH		
	89	LV43579-001A	DOOR SPRING		
	90	QAU0346-001	TUNER	TU 1	
	91	LV36039-001A	TUNER BKT		
	92	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x2)	
	93	QYSBSF3010ZA	TAP SCREW	M3 x 10mm	
⚠	94	QAR0312-001	FAN MOTOR		
	95	QYSBSF3025ZA	TAP SCREW	M3 x 25mm	
	96	LV30225-011A	SPACER		
	97	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	98	QYSBSG3008EA	TAP SCREW	M3 x 8mm	
	99	LV11121-001A	SIDE PANEL(L)		S
	99	LV11121-002A	SIDE PANEL(L)		W
	100	LV11122-001A	SIDE PANEL(R)		S
	100	LV11122-002A	SIDE PANEL(R)		W
	101	QYSSST3008ZA	TAP SCREW	M3 x 8mm(x2)	
	102	LV11124-005A	REAR COVER(B)		
	103	LV35067-002A	EARTH PLATE		
	104	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x12)	
	105	QYSSST3008ZA	TAP SCREW	M3 x 8mm(x3)	
	106	GV40526-002A	CAUTION LABEL		
	107	LV36040-002A	TRAY FITTING		
	108	GV30443-001A	VOLUME KNOB		
	109	LV36044-001A	RATING LABEL		S
	109	LV36044-002A	RATING LABEL		W
	110	LV43614-001A	LABEL		
	111	QUQ110-2509BJ-E	FFC WIRE	25pin 9cm	
	112	QUQ110-0819BJ-E	FFC WIRE	8pin 19cm	
	113	QUQ110-0509BJ-E	FFC WIRE	5pin 9cm	
	114	QUQ410-0508DJ-E	FFC WIRE	5pin 8cm	
	115	QUQ410-0814CJ-E	FFC WIRE	8pin 14cm	
	116	WJU0020-001A-E	E-CARD SH WIRE		
	117	QUQ412-1510CF-E	FFC WIRE	15pin 10cm	
	118	QUQ412-1511DE-E	FFC WIRE	15pin 11cm	
	119	QUQ412-0922CJ-E	FFC WIRE	9pin 22cm	
	120	QUQ412-1024DJ-E	FFC WIRE	10pin 24cm	
	121	QUQ412-1124DF-E	FFC WIRE	11pin 24cm	
	122	LV34405-001A	IC BRACKET(RG)		
	123	LV34406-001A	IC BRACKET(PWR)		

Speaker assembly and parts list

Block No. [M] [2] [M] [M]



The parts without symbol number are not service.

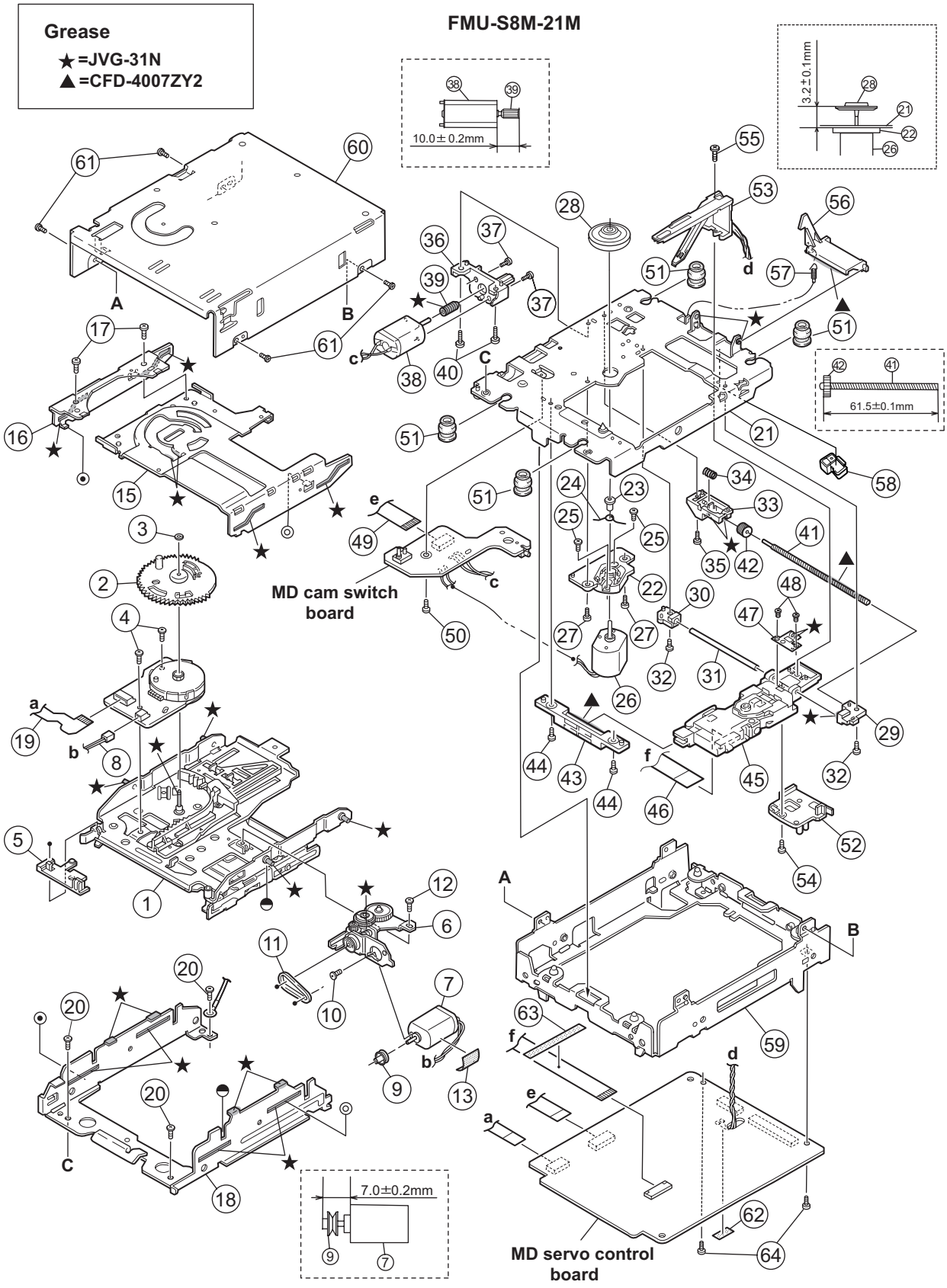
Speaker

Block No. [M][2][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV22084-010A	SPK NET	(x2)	S
	1	LV22084-011A	SPK NET	(x2)	W
	2	9000007941	FOOT	(x8)	
	3	LV43473-002A	JVC MARK	(x2)	
	4	5600008011	HOLDER	(x8)	

MD mechanism assembly and parts list

Block No. M E M M



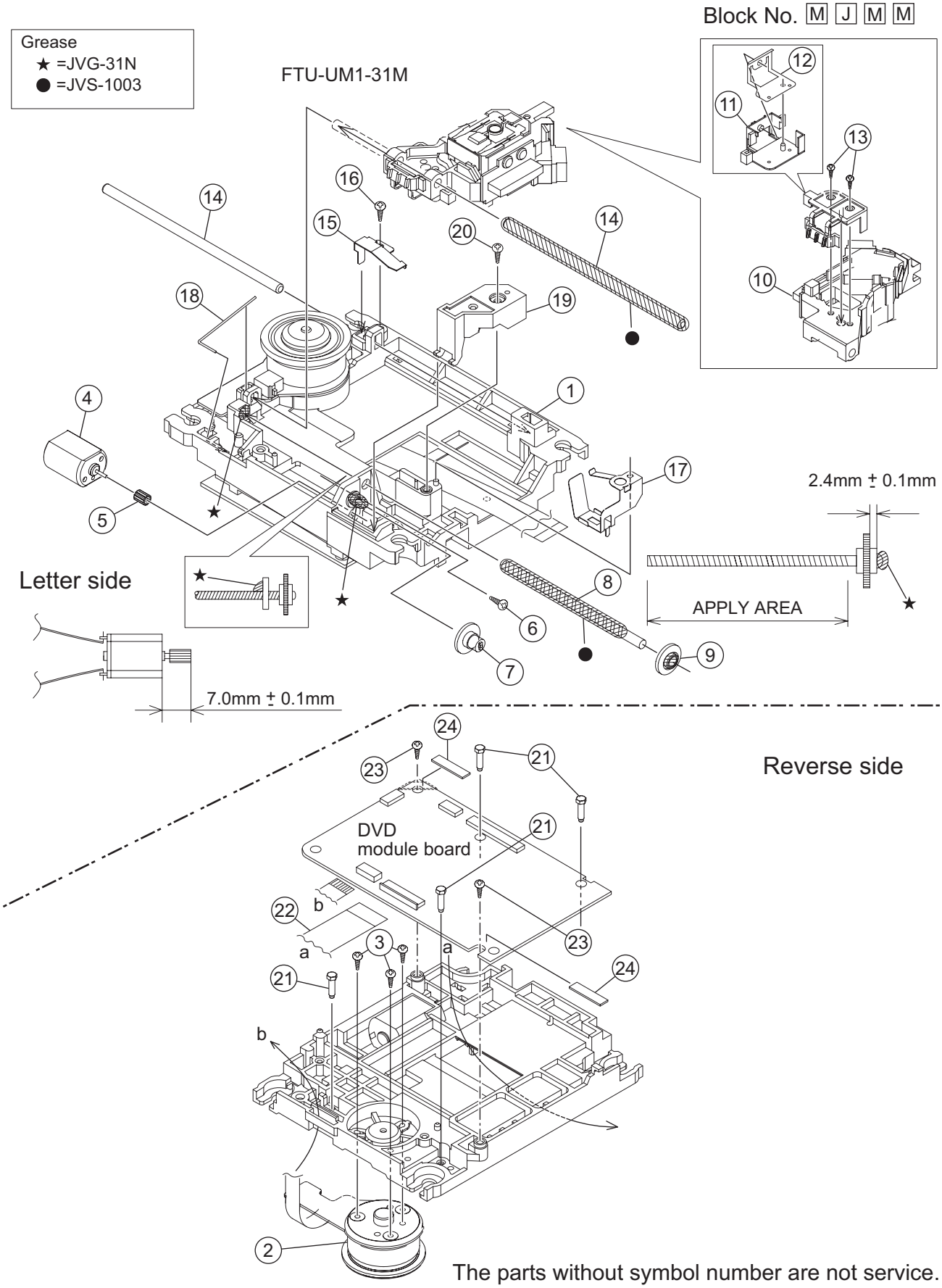
The parts without symbol number are not service.

MD mechanism

Block No. [M][E][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV20548-033A	LOADING ASSY		
	2	LV31472-004A	CAM GEAR		
	3	QYWDL1230252	SLIT WASHER	3mm/1.2mm x 0.25mm	
	4	LV41477-004A	MINI TAP SCREW	(x2)	
	5	LV32168-002A	WIRE HOLDER		
	6	LV31710-002A	L.MOTOR ASSY		
	7	QAR0251-002	MOTOR		
	8	WJM0117-003A-E	E-SI C WIRE C-F		
	9	LV41341-001A	MOTOR PULLEY		
	10	QYSPSPT2020MA	SCREW	M2 x 2mm	
	11	LV41342-001A	BELT		
	12	LV41477-004A	MINI TAP SCREW		
	13	LV30225-068A	SPACER		
	15	LV20543-003A	SLIDE BASE R		
	16	LV31483-001A	SLIDE BASE L		
	17	LV41477-004A	MINI TAP SCREW	(x2)	
	18	LV10286-004A	LOAD.MECHA BASE		
	19	LVB40003-001A	FPC		
	20	LV41477-004A	MINI TAP SCREW	(x3)	
	21	LV31709-005A	TM.CHASSIS ASSY		
	22	FMUSP-3	SP.MOTOR ASSY		
	23	LE40515-001A	COLLAR		
	24	LV42825-001A	S.R.SPRING		
	25	QYSPSPU1720NA	SCREW	M1.7 x 2mm(x2)	
	26	QAR0179-001	SP.MOTOR		
	27	LV41477-004A	MINI TAP SCREW	(x2)	
	28	LE30470-203A	T.TABLE ASSY		
	29	LV41343-001A	SHAFT HOLDER R		
	30	LV41344-003A	SHAFT HOLDER F		
	31	VKH5803-001	GUIDE SHAFT		
	32	LV41477-004A	MINI TAP SCREW	(x2)	
	33	LV31484-001A	T.SPRING HOLDER		
	34	LV41350-001A	COMP.SPRING		
	35	LV41477-004A	MINI TAP SCREW		
	36	LV31485-001A	FEED MOTOR BKT		
	37	QYSPSPT2025NA	SCREW	M2 x 2.5mm(x2)	
	38	QAR0144-003	MOTOR		
	39	LV41345-001A	FEED WORM		
	40	LV41477-004A	MINI TAP SCREW	(x2)	
	41	LV42702-001A	SCREW SHAFT		
	42	LV41347-001A	S.SHAFT GEAR		
	43	LV31486-001A	PICK UP GUIDE		
	44	LV41477-004A	MINI TAP SCREW	(x2)	
⚠	45	QAL0681-001	MD PICK UNIT		
	46	QUQ105-2108AH-E	FFC WIRE	21pin 8cm	
	47	LV41348-001A	RACK SPRING		
	48	QYSPSPT1414MA	SCREW	M1.4 x 1.4mm(x2)	
	49	WJT0042-002A-E	E-CARD WIRE		
	50	LV41477-004A	MINI TAP SCREW		
	51	LV40761-003A	INSULATOR	(x4)	
	52	LV33488-001A	H.WIRE HOLDER 1		
	53	QAH0090-003	MD HEAD		
	54	QYSPSPU1740NA	SCREW	M1.7 x 4mm	
	55	QYSPSPU1740NA	SCREW	M1.7 x 4mm	
	56	LV31487-004A	HEAD LIFTER		
	57	LV41349-001A	H.LIFTER SPRING		
	58	LV33606-001A	H.WIRE HOLDER 2		
	59	LV10284-002A	SINGLE FRAME		
	60	LV10285-005A	MECHA COVER		
	61	LV41477-004A	MINI TAP SCREW	(x4)	
	62	LV30225-073A	SPACER		
	63	LV30225-096A	SPACER		
	64	VKZ4539-054	MINI SCREW	(x2)	

DVD mechanism assembly and parts list



DVD mechanism

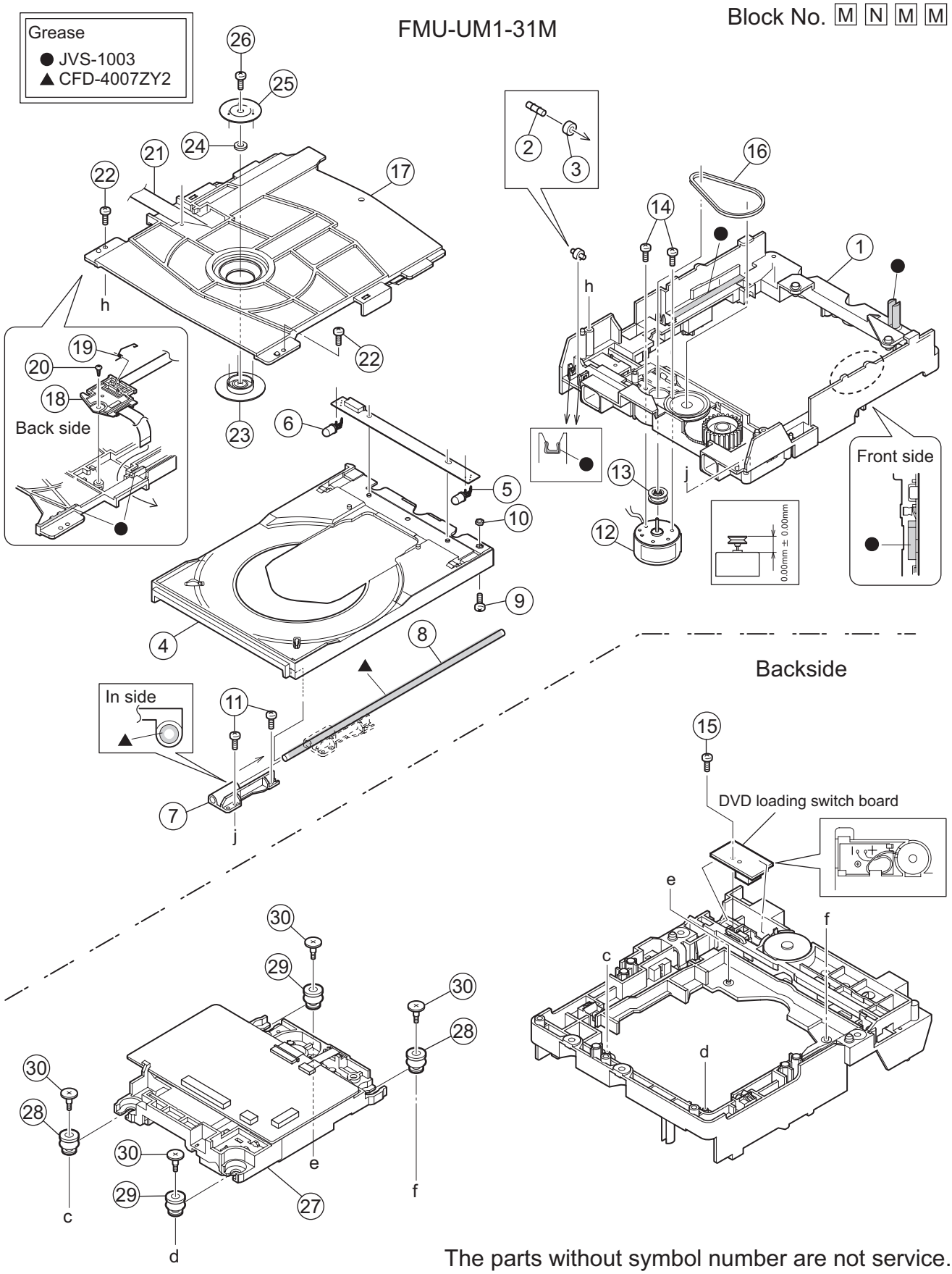
Block No. [M][J][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10984-001A	S.TM CHASSIS		
	2	QAR0334-002	S.MOTOR		
	3	QYSPSPU1740ZA	SCREW	M1.7 x 4mm(x3)	
	4	QAR0144-003	MOTOR		
	5	VKS5557-001	F.M. GEAR		
	6	QYSPSPT2025ZA	SCREW	M2 x 2.5mm	
	7	LV35461-002A	MIDDLE GEAR		
	8	LV44040-001A	SCREW SHAFT		
	9	LV35462-001A	SCREW SHAFT GEA		
	10	QAL0667-001	DVD PICK		
	11	LV21869-001A	RACK ARM		
	12	LV35463-001A	RACK ARM SPRING		
	13	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
	14	LV44041-001A	GUIDE SHAFT	(x2)	
	15	LV35464-001A	G.SHAFT ADJ.SP		
	16	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	17	LV35465-002A	THRUST SPRING		
	18	LV44042-001A	ROD SPRING		
	19	LV35467-001A	FEED BRACKET		
	20	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	21	LV44046-001A	ADJUST SCREW	(x4)	
	22	LV44092-001A	PICK FFC		
	23	LV44209-001A	WASHER SCREW	(x2)	
	24	LV30225-0V6A	SPACER	(x2)	

DVD loading base assembly and parts list

FMU-UM1-31M

Block No. M N M M



The parts without symbol number are not service.

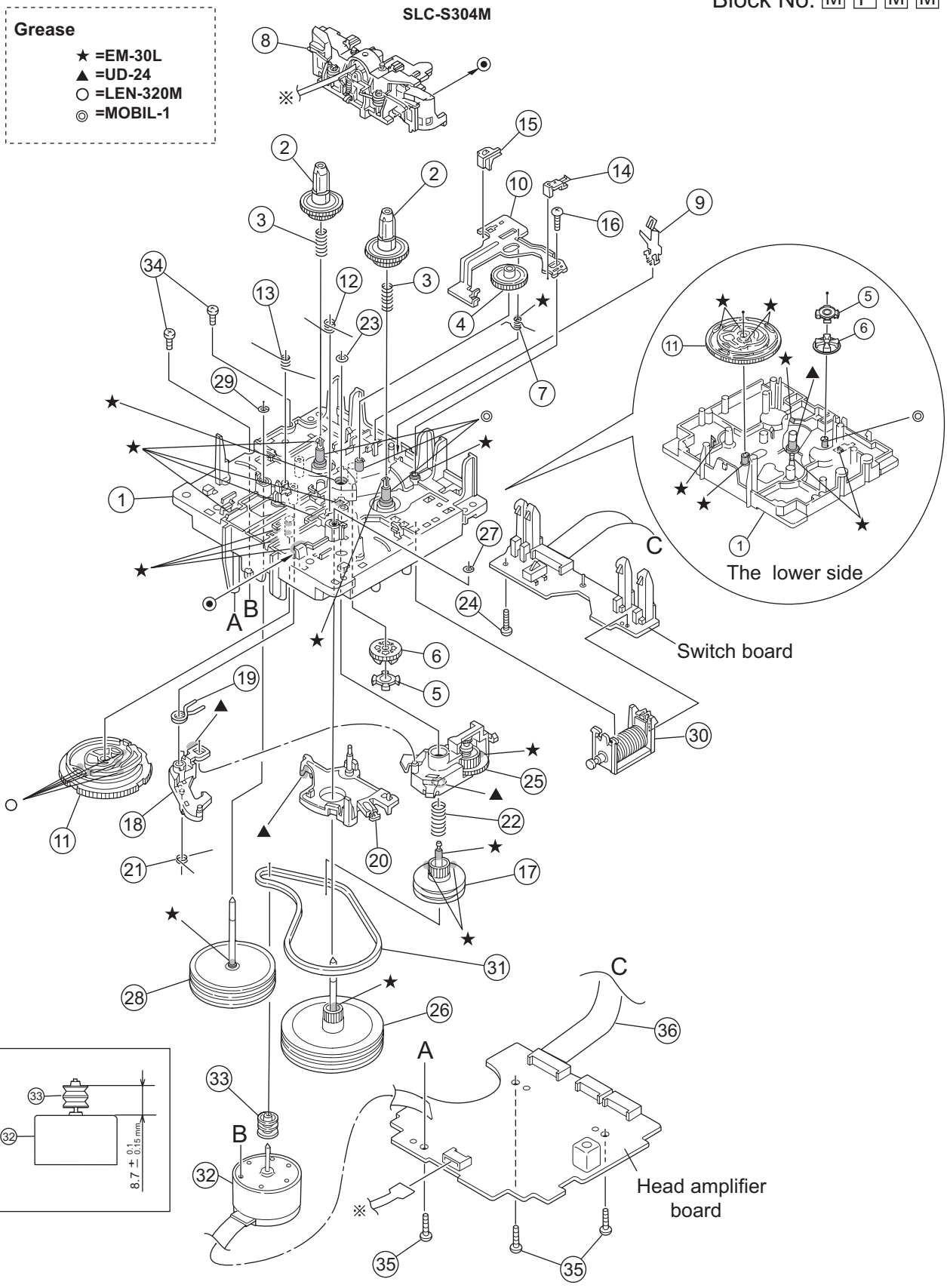
DVD loading base

Block No. [M][N][M][M]

⚠	Symbol No.		Part No.	Part Name	Description	Local
	1		LV11065-004A	LOADER SUB ASSY		
	2		E407140-001SS	C.D ROLLER		
	3		E407149-001SS	RUBBER TUBE		
	4		LV11125-002A	TRAY		
	5		NSTM515AS	LED		
	6		NSTM515AS	LED		
	7		LV35499-003A	SHAFT GUIDE		
	8		LV44022-001A	SHAFT		
	9		QYSSSP2010ZA	SCREW	M2 x 10mm	
	10		QYNNS2000ZA	NUT	M2	
	11		QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	12		QAR0197-001	MOTOR		
	13		LV43844-002A	MOTOR PULLEY		
	14		QYSPSPU1730ZA	SCREW	M1.7 x 3mm(x2)	
	15		QYSDSF2008ZA	TAP SCREW	M2 x 8mm	
	16		LV43974-001A	BELT		
	17		LV21747-008A	CLAMPER BASE		
	18		LV36060-001A	FFC HOLDER		
	19		LV44259-002A	FFC SPRING		
	20		LV43958-001A	SPECIAL SCREW		
	21		LV44260-001A	FFC		
	22		QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	23		LV35056-002A	DVD CLAMPER		
	24		LV42930-003A	P.C.MAGNET		
	24	or	LV41118-003A	MAGNET		
	25		LV43848-001A	YOKE		
	26		LE40906-002A	SPECIAL SCREW		
	27		----------	SINGLE DVD TRAM		
	28		LV44043-002A	INSULATOR	(x2)	
	29		LV44043-003A	INSULATOR	(x2)	
	30		LV44044-001A	SPECIAL SCREW	(x4)	

Cassette mechanism assembly and parts list

Block No. M P M M



The parts without symbol number are not service.

Cassette mechanism

Block No. [M][P][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	VKS1165-00N	CHASSIS B. ASSY		
	2	VKS2274-002	REEL GEAR	(x2)	
	3	VKW5286-002	B.T. SPRING	(x2)	
	4	VKS5559-001	PLAY IDLE GEAR		
	5	VKS5595-002	BLIND		
	6	VKS5560-003	FR IDLE GEAR		
	7	LV42013-001A	EARTH SPRING		
	8	SLC-RP4SVM	HEAD MOUNT ASSY		
	9	VKY3149-002	CASSETTE SP.		
	10	LV31786-004A	PLAY SW LEVER		
	11	VKS1166-003	CONTROL CAM		
	12	VKW5279-002	HEAD BASE SP(R)		
	13	VKW5280-001	HEAD BASE SP(L)		
	14	LV41584-001A	BRAKE(R)		
	15	LV41585-003A	BRAKE(L)		
	16	LV44098-001A	SPECIAL SCREW		
	17	VKS5603-00H	MAIN PULLEY ASS		
	18	VKS3785-001MM	FR ARM		
	19	VKW5284-002	SWING SPRING		
	20	VKS2278-003	TRIGGER ARM		
	21	VKW5301-001	FR SPRING		
	22	VKW5266-001	ELEVATOR SPRING		
	23	QYWDL2140352	SLIT WASHER	4mm/2.1mm x 0.35mm	
	24	QYSBSF2005ZA	TAP SCREW	M2 x 5mm	
	25	VKS3786-00G	CLUTCH ASSY		
	26	VKF3205-00B	F.WHEEL ASSY(R)		
	27	QYWDL183425	SLIT WASHER	3.4mm/1.8mm x 0.25mm	
	28	VKF3207-00C	F.WHEEL ASSY(L)		
	29	QYWDL1735256	SLIT WASHER	3.5mm/1.7mm x 0.25mm	
	30	VKZ3174-00B	DC SOLENOID		
	31	LV42836-001A	CAPSTAN BELT		
	32	QAR0309-001	D.C.MOTOR		
	33	VKR4761-003	MOTOR PULLEY		
	34	QYSPSP2604ZA	SCREW	M2.6 x 4mm(x2)	
	35	QYSBSF2608ZA	TAP SCREW	M2.6 x 8mm(x3)	
	36	QUQH12-0906BF-E	FFC WIRE	9pin 6cm	

Electrical parts list

Main board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ IC101	LA4628	IC		
IC311	LC75345M-X	IC		
IC501	GP1UM271XKVF	IR DETECT UNIT		
IC601	MM1623XF-X	IC		
IC801	SN74LVC08ANS-X	IC		
IC802	SN74LV08ANS-X	IC		
⚠ IC803	SN74AHCT08NS-X	IC		
Q1101	UN211E-X	DIGI TRANSISTOR		
Q1102	UN211E-X	DIGI TRANSISTOR		
Q1103	2SC3576-JVC-T	TRANSISTOR		
Q1201	UN211E-X	DIGI TRANSISTOR		
Q1202	UN211E-X	DIGI TRANSISTOR		
Q1203	2SC3576-JVC-T	TRANSISTOR		
Q1301	UN221E-X	TRANSTSTOR		
Q1302	2SB709A/R/-X	TRANSISTOR		
⚠ Q1401	KTA1046/Y/	TRANSISTOR		
Q1402	KTC3875/YG/-X	SI TRANSISTOR		
Q1403	KTC3875/YG/-X	SI TRANSISTOR		
Q1404	KTC3875/YG/-X	SI TRANSISTOR		
Q3101	KTC3875/YG/-X	SI TRANSISTOR		
Q3201	KTC3875/YG/-X	SI TRANSISTOR		
Q5030	UN2215-X	TRANSISTOR		
Q6901	KTA1267/YG/-T	TRANSISTOR		
Q6902	KTC3875/YG/-X	SI TRANSISTOR		
D1101	1SS133-T2	SI DIODE		
D1103	11EQS03L-T4	SB DIODE		
D1201	1SS133-T2	SI DIODE		
D1203	11EQS03L-T4	SB DIODE		
D1401	1SS133-T2	SI DIODE		
D1402	MTZJ10A-T2	Z DIODE		
D2803	1SS133-T2	SI DIODE		
D3303	MTZJ4.7C-T2	Z DIODE		
D3304	1SS133-T2	SI DIODE		
D3351	1N4003S-T5	SI DIODE		
D3352	1N4003S-T5	SI DIODE		
D3391	1SS133-T2	SI DIODE		
D5030	SPR-325MVW/L/-T	LED	GREEN-RED	
D5031	1SS133-T2	SI DIODE		
D5032	1SS133-T2	SI DIODE		
D5033	NSTM515AS	LED		
D5341	NSTM515AS	LED		
D5351	NSTM515AS	LED		
D6901	1SS133-T2	SI DIODE		
D6902	MTZJ3.9B-T2	Z DIODE		
⚠ D8001	1SS133-T2	SI DIODE		
D8002	MTZJ3.6B-T2	Z DIODE		
D8004	MTZJ3.3A-T2	Z DIODE		
C1103	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C1104	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1105	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C1106	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C1107	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C1108	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1109	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C1110	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C1111	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1112	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C1203	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C1204	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1205	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C1206	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C1207	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C1208	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1209	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C1210	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C1211	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1212	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C1301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠ C1303	QEZ0578-828	E CAPACITOR	8200uF	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1305	QFVC1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C1306	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1307	QETN1HM-336Z	E CAPACITOR	33uF 50V M	
C1309	QTE1E28-107Z	E CAPACITOR	100uF 25V	
C1310	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1399	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J	
C1401	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1402	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C1403	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1404	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C3101	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3102	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3104	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3105	QTE1V39-106Z	E CAPACITOR	10uF 35V	
C3106	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3107	QFG32AJ-821Z	PP CAPACITOR	820pF 100V J	
C3108	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3109	QFG32AJ-272Z	PP CAPACITOR	2700pF 100V J	
C3110	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C3111	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C3112	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C3113	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C3114	QFVF1HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C3116	QETN1HM-334Z	E CAPACITOR	0.33uF 50V M	
C3117	QFVF1HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C3118	QTE1V06-226Z	E CAPACITOR	22uF 35V	
C3119	QFG32AJ-153Z	PP CAPACITOR	0.015uF 100V J	
C3161	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3163	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C3166	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3202	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3204	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3205	QTE1V39-106Z	E CAPACITOR	10uF 35V	
C3206	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3207	QFG32AJ-821Z	PP CAPACITOR	820pF 100V J	
C3208	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3209	QFG32AJ-272Z	PP CAPACITOR	2700pF 100V J	
C3210	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C3211	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C3212	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C3213	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C3214	QFVF1HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C3216	QETN1HM-334Z	E CAPACITOR	0.33uF 50V M	
C3217	QFVF1HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C3218	QTE1V06-226Z	E CAPACITOR	22uF 35V	
C3219	QFG32AJ-153Z	PP CAPACITOR	0.015uF 100V J	
C3261	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3263	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C3266	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3301	QTE1A28-107Z	E CAPACITOR	100uF 10V	
C3302	QTE1A28-337Z	E CAPACITOR	330uF 10V	
C3304	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3305	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C3362	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C3365	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3366	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C5031	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C5032	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C5301	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5302	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5303	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5304	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C5305	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C5306	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5307	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5601	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C5611	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C5612	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C5621	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C5622	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C6001	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6003	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6004	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6005	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C6006	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6007	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6008	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6093	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6901	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6902	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6951	QTE1C06-476Z	E CAPACITOR	47uF 16V	
C8001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8002	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C8006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8007	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8009	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1102	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1103	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R1105	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R1106	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	
R1107	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R1108	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R1109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1110	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1111	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1201	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1202	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1203	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R1205	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R1206	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	
R1207	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R1208	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R1209	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1210	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1211	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1302	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1401	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R1402	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R1403	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1404	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1405	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1406	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1407	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1408	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1409	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1410	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2803	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2804	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3101	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R3102	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R3103	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3104	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R3105	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R3106	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3107	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3108	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3109	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3113	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3114	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3154	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R3155	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3162	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3163	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3164	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3192	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R3193	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3201	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R3202	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R3203	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3204	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R3205	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R3206	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3207	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3208	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3209	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3210	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3213	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3214	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3251	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3254	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R3255	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3262	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3263	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3264	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3292	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R3293	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3307	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R3308	NRSA63J-623X	MG RESISTOR	62kΩ 1/16W J	
R3309	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R3310	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3362	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3363	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3364	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3367	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	
R3392	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3393	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R3401	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5011	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R5012	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R5013	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5014	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R5015	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R5016	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R5021	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R5022	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R5023	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5024	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R5025	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R5030	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J	
R5031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5032	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5035	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R5301	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R5341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5352	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5353	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5601	QRE141J-301Y	C RESISTOR	300Ω 1/4W J	
R5602	QRE141J-301Y	C RESISTOR	300Ω 1/4W J	
R5603	QRE141J-301Y	C RESISTOR	300Ω 1/4W J	
R5604	QRE141J-301Y	C RESISTOR	300Ω 1/4W J	
R6001	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R6003	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R6005	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R6007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6009	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6013	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6901	QRE141J-561Y	C RESISTOR	560Ω 1/4W J	
R6902	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R8001	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R8002	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R8005	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8007	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8008	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R8009	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R8010	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8011	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8013	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8026	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R8027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L3362	QQL244K-100Z	COIL	10uH K	
L3363	QQL244K-100Z	COIL	10uH K	
L5603	QQL231K-470Y	COIL	47uH K	
CN101	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN102	QGB1214J1-14S	CONNECTOR	B-B (1-14)	
CN103	QGB1214J1-18S	CONNECTOR	B-B (1-18)	
CN105	QGF1205F1-10	CONNECTOR	FFC/FPC (1-10)	
CN106	QGB1214J1-16S	CONNECTOR	B-B (1-16)	
CN107	QGF1036C1-21	CONNECTOR	FFC/FPC (1-21)	
CN108	QGA2501F1-02	CONNECTOR	W-B (1-2)	
CN109	QGA2501C1-06	CONNECTOR	W-B (1-6)	
CN110	QGB1214J1-18S	CONNECTOR	B-B (1-18)	
CN111	QGA2501C3-03Z	CONNECTOR	W-B (1-3)	
CN501	QGF1205C1-15	CONNECTOR	FFC/FPC (1-15)	
CN531	QGF1205F1-15	CONNECTOR	FFC/FPC (1-15)	
CN801	QGF1036C1-25	CONNECTOR	FFC/FPC (1-25)	
CN802	QGF1036C1-05	CONNECTOR	FFC/FPC (1-5)	
CN803	QGF1036F1-08	CONNECTOR	FFC/FPC (1-8)	
CN804	QGF1036F1-08	CONNECTOR	FFC/FPC (1-8)	
CN805	QGB1214J1-10S	CONNECTOR	B-B (1-10)	
CN806	QGB1214K1-16S	CONNECTOR	B-B (1-16)	
CN807	QGA2501F1-11	CONNECTOR	W-B (1-11)	
DI531	QLD0334-002	LCD MODULE		
EP102	QNZ0136-001Z	EARTH PLATE		
EP561	QNZ0136-001Z	EARTH PLATE		
J1001	QNB0204-001	SPK TERMINAL		
J5601	QNS0266-001	JACK		
JS501	QSW0993-001	ROTARY ENCODER		
K3361	NQR0502-001X	FERRITE BEADS		
K3362	NQR0502-001X	FERRITE BEADS		
K3363	NQR0502-001X	FERRITE BEADS		
K6001	NQR0502-001X	FERRITE BEADS		
K8001	NQR0502-001X	FERRITE BEADS		
K8002	NQR0502-001X	FERRITE BEADS		
K8003	NQR0502-001X	FERRITE BEADS		
K8004	NQR0502-001X	FERRITE BEADS		
K8005	NQR0502-001X	FERRITE BEADS		
K8006	NQR0502-001X	FERRITE BEADS		
K8007	NQR0502-001X	FERRITE BEADS		
K8008	NQR0502-001X	FERRITE BEADS		
K8009	NQR0502-001X	FERRITE BEADS		
K8010	NQR0502-001X	FERRITE BEADS		
K8021	NQR0389-003X	FERRITE BEADS		
K8022	NQR0389-003X	FERRITE BEADS		
K8023	NQR0389-003X	FERRITE BEADS		
K8024	NQR0389-003X	FERRITE BEADS		
K8025	NQR0389-003X	FERRITE BEADS		
S5001	QSW0683-001Z	PUSH SW		
S5002	QSW0683-001Z	PUSH SW		
S5003	QSW0683-001Z	PUSH SW		
S5004	QSW0683-001Z	PUSH SW		
S5005	QSW0683-001Z	PUSH SW		
S5006	QSW0683-001Z	PUSH SW		
S5007	QSW0683-001Z	PUSH SW		
S5008	QSW0683-001Z	PUSH SW		
S5009	QSW0683-001Z	PUSH SW		
S5010	QSW0683-001Z	PUSH SW		
S5011	QSW0683-001Z	PUSH SW		
S5012	QSW0683-001Z	PUSH SW		
S5013	QSW0683-001Z	PUSH SW		
S5014	QSW0683-001Z	PUSH SW		
WC101	QZW0112-002	WIRE CLAMP		
WR101	QJK009-063201-E	SIN CR C-B WIRE		
WR110	QUB070-14PPPP-E	SIN TWIST WIRE		
WR113	QUB072-13PPPP-E	SIN CR C-B WIRE		

Micon board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ IC281	BD9703FP-X	IC		
IC621	GP1FAV50TK0F	OPT TRANSMITTER		
IC622	GP1FAV50RK0F	OPT RECEIVER		
IC701	UPD784217AGF549	IC		
IC741	BR24L04F-W-X	IC		
IC745	SN74AHCT08NS-X	IC		
IC751	LB1641	IC		
Q2401	KTC3875/YG/-X	SI TRANSISTOR		
⚠ Q2601	KTA1046/Y/	TRANSISTOR		
Q2602	KTC3875/YG/-X	SI TRANSISTOR		
Q2603	KTC3875/YG/-X	SI TRANSISTOR		
Q2604	KTC3875/YG/-X	SI TRANSISTOR		
⚠ Q2901	KTA1273/Y/-T	TRANSISTOR		
Q2902	KTC3875/YG/-X	SI TRANSISTOR		
Q7035	UN2111-X	TRANSISTOR		
Q7301	KTC3875/YG/-X	SI TRANSISTOR		
Q7302	KTC3875/YG/-X	SI TRANSISTOR		
Q7311	UN2211-X	TRANSISTOR		
Q7331	KTC3875/YG/-X	SI TRANSISTOR		
Q7351	UN2113-X	TRANSISTOR		
Q7352	KTC3875/YG/-X	SI TRANSISTOR		
Q7353	KTC3199/GL/-T	TRANSISTOR		
Q7601	UN2214-X	TRANSISTOR		
Q7631	KTC3195/O/-T	TRANSISTOR		
Q7632	KTC3195/O/-T	TRANSISTOR		
Q7805	2SD601A/RS/-X	TRANSISTOR		
Q7901	KTA1273/Y/-T	TRANSISTOR		
Q7902	KTC3875/YG/-X	SI TRANSISTOR		
Q7903	KTC3875/YG/-X	SI TRANSISTOR		
Q9001	KTC3875/YG/-X	SI TRANSISTOR		
QA781	IMX2FT8-W	TRANSISTOR		
QA782	IMX2FT8-W	TRANSISTOR		
QA783	IMX2FT8-W	TRANSISTOR		
QA784	IMX2FT8-W	TRANSISTOR		
QA785	IMX2FT8-W	TRANSISTOR		
QA786	IMX2FT8-W	TRANSISTOR		
QA787	IMX2FT8-W	TRANSISTOR		
⚠ D2401	1N5402-F46	DIODE		
⚠ D2402	1N5402-F46	DIODE		
⚠ D2403	1N5402-F46	DIODE		
⚠ D2404	1N5402-F46	DIODE		
⚠ D2405	1N5402-F46	DIODE		
⚠ D2406	1N5402-F46	DIODE		
⚠ D2407	1N5402-F46	DIODE		
⚠ D2408	1N5402-F46	DIODE		
⚠ D2503	1N4003S-T5	SI DIODE		
⚠ D2504	1N4003S-T5	SI DIODE		
D2505	1N4003S-T5	SI DIODE		
D2601	1SS133-T2	SI DIODE		
D2602	MTZJ5.1B-T2	Z DIODE		
D2801	RB051L-40-X	SB DIODE		
D2901	1SS133-T2	SI DIODE		
D6203	MTZJ6.2C-T2	Z DIODE		
D7016	1SS133-T2	SI DIODE		
D7301	1SS133-T2	SI DIODE		
D7302	MTZJ6.8C-T2	Z DIODE		
D7303	1SS133-T2	SI DIODE		
D7311	1SS133-T2	SI DIODE		
D7321	1SS133-T2	SI DIODE		
D7351	1SS133-T2	SI DIODE		
D7352	MTZJ10B-T2	Z DIODE		
D7401	1SS133-T2	SI DIODE		
D7501	1N4003S-T5	SI DIODE		
D7502	1N4003S-T5	SI DIODE		
D7503	1N4003S-T5	SI DIODE		
⚠ D7505	MTZJ4.7C-T2	Z DIODE		
D7601	1SS133-T2	SI DIODE		
D7901	MTZJ5.6B-T2	Z DIODE		
D7902	1N4003S-T5	SI DIODE		
D7903	MTZJ8.2B-T2	Z DIODE		
D9001	1SS133-T2	SI DIODE		
D9002	1N4003S-T5	SI DIODE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ C2401	QETM1EM-828	E CAPACITOR	8200uF 25V M	
⚠ C2402	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
⚠ C2403	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
⚠ C2404	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
⚠ C2405	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C2601	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2602	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2604	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C2801	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C2802	NCF21EZ-225X	C CAPACITOR	2.2uF 25V Z	
C2804	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C2901	QTE1E28-106Z	E CAPACITOR	10uF 25V	
C2903	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6211	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6213	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6215	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6216	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6225	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6226	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6230	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6291	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6292	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6294	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6295	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6296	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6297	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6299	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C6321	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6322	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6323	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C6324	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6325	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6326	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6327	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7001	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7052	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7311	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7312	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C7321	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C7331	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7351	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7358	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7401	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7402	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7451	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7452	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7501	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7502	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7631	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7632	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7633	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7634	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7635	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7636	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7651	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7652	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7801	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C7803	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C7805	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C7807	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C7809	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C7811	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C7901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠ C9001	QCZ9104-472	C CAPACITOR	4700pF	
⚠ C9002	QETM1EM-108	E CAPACITOR	1000uF 25V M	
C9003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R2401	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R2402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2601	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R2602	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R2603	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2604	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2605	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2606	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2610	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2611	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R2612	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R2801	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2802	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2901	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2902	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6216	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R6226	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R6291	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6292	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6293	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6295	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6296	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6321	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6322	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6323	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7001	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7003	NRSA63J-133X	MG RESISTOR	13kΩ 1/16W J	
R7007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7008	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7010	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7011	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7012	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7013	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7014	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7015	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7016	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7017	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7018	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7019	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7020	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7021	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7022	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7023	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7024	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7026	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7027	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7028	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7029	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7030	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7031	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7032	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7033	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7035	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7036	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7043	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7044	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7045	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7046	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7047	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7048	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7049	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7050	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7053	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7054	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7055	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7056	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7057	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7058	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7059	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7060	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7067	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7068	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7069	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7070	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7071	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7072	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7073	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7074	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7075	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7076	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7077	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7078	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7079	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7080	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7081	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7083	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7084	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7085	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7086	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7087	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7088	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7089	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7090	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7091	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7093	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7094	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7095	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7096	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7097	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7099	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7110	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7111	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7124	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7146	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7150	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7153	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7154	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7155	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7156	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7158	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7160	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7177	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7186	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7223	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7301	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7302	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7303	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7305	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7311	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7321	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R7331	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7332	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R7333	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7352	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R7353	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7391	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R7392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7451	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7452	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7454	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7455	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7456	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7457	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7458	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7501	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7502	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7631	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7633	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7634	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7803	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7804	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7805	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7808	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7809	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7813	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7818	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7819	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7820	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7824	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7825	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7828	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7829	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7832	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7833	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7836	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7837	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R7901	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7902	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7903	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7905	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
L2801	QQL28AK-470	CHOKE COIL	47uH K	
L2802	QQL244K-100Z	COIL	10uH K	
L6211	QQL244K-4R7Z	COIL	4.7uH K	
L7001	QQL244K-100Z	COIL	10uH K	
L7024	QQL244K-100Z	COIL	10uH K	
⚠ T9002	QQT0253-003	POWER TRANSF		
CN201	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN621	QGB1214K1-18S	CONNECTOR	B-B (1-18)	
CN623	QGB2510J1-05	CONNECTOR	B-B (1-5)	
CN631	QGB2510K2-05	CONNECTOR	B-B (1-5)	
CN702	QGF1205C1-15	CONNECTOR	FFC/FPC (1-15)	
CN703	QGF1205C1-09	CONNECTOR	FFC/FPC (1-9)	
CN705	QGF1036F1-07	CONNECTOR	FFC/FPC (1-7)	
CN706	QGB1214K1-18S	CONNECTOR	B-B (1-18)	
CN707	QGB1214K1-14S	CONNECTOR	B-B (1-14)	
CN708	QGB1214K1-10S	CONNECTOR	B-B (1-10)	
CN709	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN710	QGF1205C1-15	CONNECTOR	FFC/FPC (1-15)	
CN711	QGF1036F1-05	CONNECTOR	FFC/FPC (1-5)	
⚠ CN901	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN902	QGA2501F1-05	CONNECTOR	W-B (1-5)	
CN903	QGA2501F1-04	CONNECTOR	W-B (1-4)	
EB701	E409182-001SM	GRAND TERMINAL		
EP601	QNZ0136-001Z	EARTH PLATE		
EP701	QNZ0136-001Z	EARTH PLATE		
⚠ FT911	QNG0003-001Z	FUSE CLIP		
⚠ FT912	QNG0003-001Z	FUSE CLIP		
⚠ FT931	QNG0003-001Z	FUSE CLIP		
⚠ FT932	QNG0003-001Z	FUSE CLIP		
J6202	QNN0420-001	SURROUND JACK		
J6203	QNS0089-001	3.5 JACK		
J6204	QNN0557-002	PIN JACK		
J6301	QNN0661-001	PIN JACK		
K2801	QQR0621-001Z	FERRATE BEADS		
K6211	NQR0502-001X	FERRITE BEADS		
K6212	NQR0502-001X	FERRITE BEADS		
K6291	NQR0502-001X	FERRITE BEADS		
K7001	NQR0502-001X	FERRITE BEADS		
⚠ LF901	QQR1321-001	LINE FILTER		
⚠ RY901	QSK0124-001	RELAY		
⚠ TH241	NAD0038-471X	P THERMISTOR	470Ω	
WC601	QZW0112-002	WIRE CLAMP		
WR201	WJK0212-001A-E	SIN CR C-B WIRE		
WR202	QJK005-111101-E	SIN CR C-B WIRE		
WR622	WJP0062-002A-E	E-SH C WIRE C-B		
WR701	QJK008-040704-E	SIN CR C-B WIRE		
X7001	QAX0416-001Z	C RESONATOR	8.000MHz	
X7002	QAX0401-001	CRYSTAL	32.768KHz	

MD servo control board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC310	AN22011A-VT	IC		
IC350	MN66621BPG1	IC		
IC351	MM3141KN-X	IC		
IC390 or	IC41LV44002-50T	IC		
IC390	MSM51V17405F5TS	IC		
IC400	MM1563GF-X	IC	3.6V Regulator	
IC410	BH6565FV-X	IC		
IC411	BH6578FVM-X	IC		
IC420	MM3144GN-X	IC		
IC450	BD7910FV-X	IC M.HEAD DRIVE		
IC460	AK5357ET-X	IC		
IC461	TC7SHU04F-X	IC		
IC485	MM3143DN-X	IC		
IC500	MN101C49KMS3	IC(MASK MICOM)		
IC501	SN74AHC1G08V-X	IC		
IC590	BR93L66F-W-X	IC		
Q330	2SA1362/G/-X	TRANSISTOR		
Q332	KRA116S-X	TRANSISTOR		
Q333	KRA116S-X	TRANSISTOR		
D451	RB160L-60-X	SB DIODE		
D452	RB160L-60-X	SB DIODE		
C300	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C302	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C311	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C314	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C316	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C317	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C318	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C325	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C327	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C333	NCB21CK-154X	C CAPACITOR	0.15uF 16V K	
C340	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C342	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C350	NEAG0GM-476X	E CAPACITOR	47uF 4V M	
C351	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C352	NEAG1CM-106X	E CAPACITOR	10uF 16V M	
C353	NEAG1CM-106X	E CAPACITOR	10uF 16V M	
C354	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C355	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C356	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C357	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C358	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C359	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C360	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C362	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C363	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C364	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C365	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C366	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C367	NEAG0GM-476X	E CAPACITOR	47uF 4V M	
C370	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C390	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C400	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C401	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C403	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C410	NEAF0JM-107X	E CAPACITOR	100uF 6.3V M	
C411	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C413	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C419	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C421	NEAG1CM-226X	E CAPACITOR	22uF 16V M	
C423	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C424	NEAF0JM-107X	E CAPACITOR	100uF 6.3V M	
C450	NEAF0JM-107X	E CAPACITOR	100uF 6.3V M	
C451	NEAF0GM-107X	E CAPACITOR	100uF 4V M	
C452	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C453	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C455	NDC32AJ-101X	C CAPACITOR	100pF 100V J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C460	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C464	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C465	NEAG1CM-106X	E CAPACITOR	10uF 16V M	
C466	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C467	NEAG1CM-106X	E CAPACITOR	10uF 16V M	
C468	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C469	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C470	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C471	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C487	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C490	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C496	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C497	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C501	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C510	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C511	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C512	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C513	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C515	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C516	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C521	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C591	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
R310	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R312	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R313	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R315	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R316	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R317	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R318	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R319	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R330	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J	
R331	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R332	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R333	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R334	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R336	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R337	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R338	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R342	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R345	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R350	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R354	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R358	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R360	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R366	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R367	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R369	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R370	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R371	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R372	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R373	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R374	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R375	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R376	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R377	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R378	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R379	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R380	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R381	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R382	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R384	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R385	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R386	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R388	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R389	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R390	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R391	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R396	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R397	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R399	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R403	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R404	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R414	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R417	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R423	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R424	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R427	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R429	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R430	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R432	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R433	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R434	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R435	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R436	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R460	NRSA63J-5R1X	MG RESISTOR	5.1Ω 1/16W J	
R471	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R474	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R481	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R482	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R483	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R495	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R496	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R497	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R498	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R500	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R501	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R502	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R505	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R518	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R519	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R521	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R522	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R523	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R526	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R527	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R528	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R529	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R530	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R537	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R538	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R539	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R545	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R549	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R550	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R552	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R555	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R559	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R560	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R561	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R562	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R565	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R570	NRSA63J-2R7X	MG RESISTOR	2.7Ω 1/16W J	
R571	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
L401	NQL114K-220X	COIL	22uH K	
CN310	QGF0527F2-21W	CONNECTOR	FFC/FPC (1-21)	
CN407	QGF1006F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN408	QGF1006F2-09W	CONNECTOR	FFC/FPC (1-9)	
CN521	QGF1006F2-21W	CONNECTOR	FFC/FPC (1-21)	
CN522	QGF1006F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN601	QGF1006F2-09W	CONNECTOR	FFC/FPC (1-9)	
K351	NQR0251-004X	FERRITE BEADS		
K491	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K492	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K495	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K496	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K498	NQR0354-001X	FERRITE BEADS		
K499	NQR0354-001X	FERRITE BEADS		
K523	NQR0354-001X	FERRITE BEADS		
K524	NQR0354-001X	FERRITE BEADS		
K527	NQR0251-004X	FERRITE BEADS		
K528	NQR0251-004X	FERRITE BEADS		
K529	NQR0251-004X	FERRITE BEADS		
K530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K531	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K532	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
S601	NSW0165-001X	DETECT SWICH		
S602	NSW0213-001X	PUSH SWITCH		
TH301	NAD0030-103X	THERMISTOR	10kΩ	
X300	NAX0476-001X	CRYSTAL	33.8688MHz	
X500	NAX0560-001X	C RESONATOR	20.0MHz	

MD cam switch board

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN611	QGF1016F3-08	CONNECTOR	FFC/FPC (1-8)	
CN612	QGA1501F1-02	CONNECTOR	W-B (1-2)	
S611	QSW0848-001	CAM SW		

DVD Module board

Block No. [0][5]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0009AA	IC		
IC302	MM1701CH-X	IC		
IC305	MM1563BF-X	IC	3.1V Regulator	
IC453	S-80827CNNB-G-W	IC		
IC505	K4S641632H-UC75	IC		
IC505 or	HY57V641620ETP7	IC(DIGITAL)		
IC509	----------	IC(MICRO C ROM)		
IC510	BR24L16FV-W-X	IC		
IC701	AK4384VT-X	IC		
IC701 or	AK4384ET-X	IC		
IC705	MM1615AN-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q105	UN2119-X	TRANSISTOR		
Q105 or	KRA116S-X	TRANSISTOR		
C101	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C102	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C103	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C104	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C217	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C300	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C301	NEAF0GM-227X	E CAPACITOR	220uF 4V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C306	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C307	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C308	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C309	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C310	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C312	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C313	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C314	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C315	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C316	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C318	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C319	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C329	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C333	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C334	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C335	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C372	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C375	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C376	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C377	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C379	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C386	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C554	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C555	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C559	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C560	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C563	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C564	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C701	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C704	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C706	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C707	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C711	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C713	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R126	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R320	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R322	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R326	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R327	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R334	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R335	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R336	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R337	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
R342	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R348	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R349	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R350	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R362	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R364	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R365	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R366	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R374	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R377	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R541	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R721	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R730	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN101	QGF0523F1-25W	CONNECTOR	FFC/FPC (1-25)	
CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN701	QGF1016F2-25W	CONNECTOR	FFC/FPC (1-25)	
CN703	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN712	QGF1016F2-05W	CONNECTOR	FFC/FPC (1-5)	
K351	NQR0502-001X	FERRITE BEADS		
K352	NQR0502-001X	FERRITE BEADS		
K501	NQR0502-001X	FERRITE BEADS		
K701	NQR0022-002X	FERRITE BEADS		
K702	NQR0022-002X	FERRITE BEADS		
K703	NQR0022-002X	FERRITE BEADS		
K704	NQR0022-002X	FERRITE BEADS		
K705	NQR0022-002X	FERRITE BEADS		
K706	NQR0022-005X	FERRITE BEADS		
K707	NQR0022-002X	FERRITE BEADS		
K708	NQR0022-002X	FERRITE BEADS		
K709	NQR0022-002X	FERRITE BEADS		
K710	NQR0022-002X	FERRITE BEADS		
K711	NQR0022-002X	FERRITE BEADS		
K720	NQR0022-002X	FERRITE BEADS		
K721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K731	NQR0251-004X	FERRITE BEADS		
K732	NQR0251-004X	FERRITE BEADS		
K733	NQR0251-004X	FERRITE BEADS		
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL		

LED board

Block No. [0][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
D3	UDZS7.5B-X	Z DIODE		
D4	UDZS7.5B-X	Z DIODE		
D5	UDZS7.5B-X	Z DIODE		
D6	UDZS7.5B-X	Z DIODE		
R1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN4	QGF1006F2-07W	CONNECTOR	FFC/FPC (1-7)	

DVD Loading Switch board

Block No. [0][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN1	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
S1	QSW1074-001	DETECT SWITCH		

Head amplifier & Cassette switch board

Block No. [0][8]

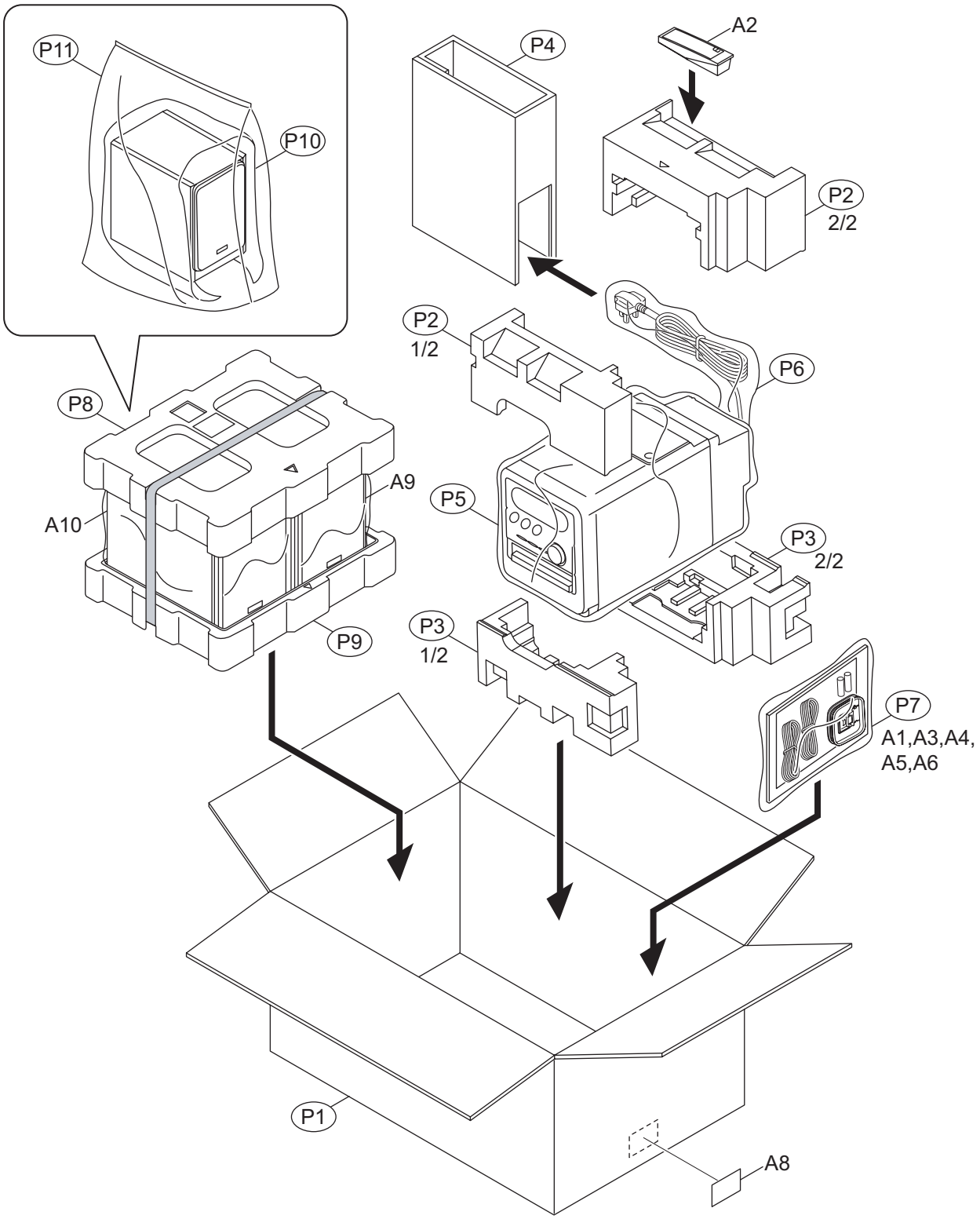
⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	GP2S24CJ000F	PHOTO SENSOR		
IC32	HA12238F	IC		
IC33	CD4094BE	IC		
Q302	2SC2001/K/-T	TRANSISTOR		
Q305	2SC2001/K/-T	TRANSISTOR		
Q342	KRA111M-T	DIGI TRANSISTOR		
Q343	2SC3576-JVC-T	TRANSISTOR		
Q344	2SC3576-JVC-T	TRANSISTOR		
Q345	2SC3576-JVC-T	TRANSISTOR		
Q346	2SC3576-JVC-T	TRANSISTOR		
Q347	KRC107M-T	DIGI TRANSISTOR		
Q348	KRC113M-T	TRANSISTOR		
Q371	KTA1271/OY/-T	TRANSISTOR		
Q372	KRC107M-T	DIGI TRANSISTOR		
Q375	2SB562/C/-T	TRANSISTOR		
Q376	KTC3199/GL/-T	TRANSISTOR		
D1	1SR139-400-T2	SI DIODE		
D375	MTZJ5.1B-T2	Z DIODE		
C101	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
C102	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C103	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C105	QCBB1HK-391Y	C CAPACITOR	390pF 50V K	
C106	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C109	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C110	QDXB1CM-682Y	C CAPACITOR	6800pF 16V M	
C113	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C120	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
C121	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C201	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
C202	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C203	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C205	QCBB1HK-391Y	C CAPACITOR	390pF 50V K	
C206	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C207	QCBB1HK-271Y	C CAPACITOR	270pF 50V K	
C208	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C209	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C210	QDXB1CM-682Y	C CAPACITOR	6800pF 16V M	
C211	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C212	QCBB1HK-271Y	C CAPACITOR	270pF 50V K	
C213	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C214	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C220	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
C221	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C300	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C301	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C304	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C306	QETJ1AM-227Z	E CAPACITOR	220uF 10V M	
C307	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C308	QDXB1CM-152Y	C CAPACITOR	1500pF 16V M	
C310	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	
C313	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C314	QCFB1HZ-105Y	C CAPACITOR	1uF 50V Z	
C316	QFG32AJ-223Z	PP CAPACITOR	0.022uF 100V J	
C319	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	
C331	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C340	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C341	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C342	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C371	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C374	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C376	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
R101	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R102	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R104	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R105	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R106	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
R107	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
R108	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R110	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R116	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R121	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R201	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R202	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R204	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R205	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R206	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
R207	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
R208	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R210	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R216	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R221	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R301	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R302	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R303	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R304	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R305	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R306	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
⚠ R310	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R313	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R314	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R315	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R327	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R335	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R336	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R337	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R338	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R339	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R340	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R341	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R342	QRE141J-243Y	C RESISTOR	24kΩ 1/4W J	
R343	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R344	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R345	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R346	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R347	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
⚠ R353	QRZ9005-100X	FUSI RESISTOR	10Ω	
R371	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R372	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R375	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
R376	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
VR31	QVP0008-203Z	TRIM RESISTOR	20kΩ	
VR37	QVP0077-103Z	TRIM RESISTOR	10kΩ	
L301	QQR1118-002	OSC COIL(BIAS)		
L303	QQL244K-100Z	COIL	10uH K	
CN1	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN31	QGF1205F1-06	CONNECTOR	FFC/FPC (1-6)	
CN32	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN33	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN34	QGF1201F3-10	CONNECTOR	FFC/FPC (1-10)	
FW100	QUM024-07A2Z3-E	PARA RIBON WIRE		
H32	GV40397-002A	IC HOLDER		
P1	QNZ0104-001	POST PIN		
SW1	QSW0832-001	CASS.SWITCH		
SW2	QSW0832-001	CASS.SWITCH		
SW5	QSW0832-001	CASS.SWITCH		
SW6	QSW0859-001	DETECT SWITCH		

<MEMO>

Packing materials and accessories parts list

Block No. M 3 M M



Packing and Accessories

Block No. [M][3][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	LVT1367-002A	INST BOOK	ENG CHI(PEKIN)	
	A 2	RM-SUXQD70U	REMOCON		
	A 3	QAL0457-001	ANT.WIRE		
	A 4	QAL0014-001	AM LOOP ANT		
	A 5	----------	BATTERY	(x2)	
	A 6	QAM0216-001	SIGNAL CORD		
	A 8	LE40796-001A	VERANCE LABEL		
	A 9	SPUXK30S-SPBOXR	SPEAKER BOX		S
	A 9	SPUXK30W-SPBOXR	SPEAKER BOX		W
	A 10	SPUXK30S-SPBOXL	SPEAKER BOX		S
	A 10	SPUXK30W-SPBOXL	SPEAKER BOX		W
	P 1	LV36050-001A	CARTON		S
	P 1	LV36050-002A	CARTON		W
	P 2	LV22054-001A	CUSHION(TOP)		
	P 3	LV22055-001A	CUSHION(BOTTOM)		
	P 4	LV36399-001A	CARTON SPACER		
	P 5	QPC05006515P	POLY BAG	50cm x 65cm	
	P 6	QPA01503503	POLY BAG	15cm x 35cm	
	P 7	QPC02503510P	POLY BAG	25cm x 35cm	
	P 8	LV36116-001A	TOP CUSHION		
	P 9	LV36117-001A	BOTTOM CUSHION		
	P 10	8500048081	MIRROR SHEET	(x2)	
	P 11	8500041601	POLY BAG	(x2)	